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Program Report



Economic Modeling Specialists, Inc. www.economicmodeling.com

EMSI

Region Info

Region: San Francisco larger MSA

County Areas: Alameda, California (6001), Contra Costa, California (6013), Marin, California (6041), San Francisco, California (6075), San Mateo, California (6081), Santa Clara, California (6085)

Executive Summary

Program
Biotechnology and Biomedical Technology (TOP 0430.00)

	Program Occupations
Biological technicians (SOC 19-4021)	

Summary	
2008 Occupational Jobs	3,922
2013 Occupational Jobs	4,555
Total Change	633
Total % Change	16%
2009 Median Hourly Earnings/Worker	\$22.16
Annual Openings	268
Total Replacement Jobs	705

Source: EMSI Complete Employment - Spring 2009

Occupational Breakdown

SOC	Description	2008	2013	Annual	Replacem	Hourly	Education
Code	Description	Jobs	Jobs	Openings	ent Jobs	Earnings	Level
19-4021	Biological technicians	3,922	4,555	268	705	\$22.16	Associate's degree
	Total	3,922	4,555	268	705	\$22.16	

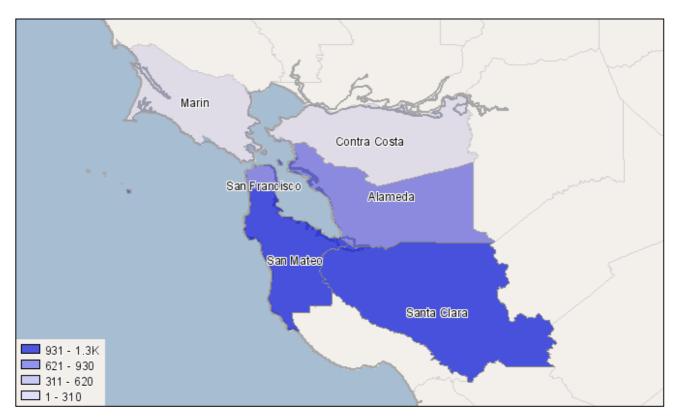
Source: EMSI Complete Employment - Spring 2009

Occupational Change

SOC	Description	Regional	Regional %	State %	National %
Code		Change	Change	Change	Change
19-4021	Biological technicians	633	16%	15%	11%

Source: EMSI Complete Employment - Spring 2009

Occupation Distribution



County	2008 Jobs
San Mateo, CA (6081)	1,237
Santa Clara, CA (6085)	1,053
Alameda, CA (6001)	732
San Francisco, CA (6075)	691
Contra Costa, CA (6013)	105
Marin, CA (6041)	103

Source: EMSI Complete Employment - Spring 2009

Data Sources and Calculations

Occupation Data

Organizing regional employment information by occupation provides a workforce-oriented view of the regional economy. EMSI's occupation data are based on EMSI's industry data and regional staffing patterns taken from the Occupational Employment Statistics program (U.S. Bureau of Labor Statistics). Wage information is partially derived from the American Community Survey. The occupation-to-program (SOC-to-CIP) crosswalk is based on one from the U.S. Department of Education, with customizations by EMSI.

State Data Sources

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