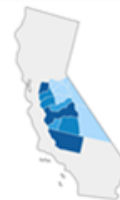


# FOOD SAFETY AND QUALITY CONTROL TECHNICIANS in the CENTRAL VALLEY/MOTHERLODE REGION

## OCCUPATIONAL PROFILE

## FOOD SAFETY AND QUALITY CONTROL TECHNICIANS



### Central Region Center of Excellence

Amador, Alpine, Calaveras, Fresno, Inyo, Kern, Kings, Madera, Mariposa, Merced, Mono, San Joaquin, Stanislaus, Tulare and Tuolumne Counties

## Food Science Technicians & Food Scientists and Technologists (Food Safety and Quality Control Technicians)

**FOOD SCIENCE TECHNICIANS** perform standardized qualitative and quantitative tests to determine physical or chemical properties of food or beverage products.

**FOOD SCIENTISTS AND TECHNOLOGISTS** use several sciences to study the principles underlying the processing and deterioration of foods; and apply food science knowledge to determine best ways to process, package, preserve, store, and distribute food.

### Related Job Titles:

- Quality Analyst
- Quality Technician
- Quality Control Technician
- Quality Assurance Technician

Completion Year  
**2014**  
Jobs Timeframe  
**2015-2020**

### Important Skills

- |   |  |
|---|--|
| ✓ Knowledge of raw materials, production processes and quality control. | ✓ Test quality of materials or finished products |
| ✓ Area inspection for sanitation standards compliance                   | ✓ Effective oral and written communication       |
| ✓ Quality of materials and products evaluation                          | ✓ Combining information to form conclusions      |

Information and data for this report are the following public and proprietary sources: Economic Modeling Specialists (EMSI), Bureau of Labor Statistics and O\*NET online.

The bureau of labor statistics occupational handbook and O\*NET do not contain any occupations entitled Food Safety and Quality Control Technicians. However, the occupational descriptions for Food Science Technicians, Agriculture and Food Science Technicians and Food Scientists and Technologist are relevant to the performance expectations associated with Food Safety and Quality Control Technicians. These conclusions were also reflected in the Crosswalk discussed later in this profile.

Analysis of the job requirements and duties for these occupations contained the same base requirements with an obvious progression of knowledge, skills and abilities (reflectively). For example; the latter title of Food Scientists and Technologist contained significantly higher educational requirements in terms of science knowledge and application.

Occupation	2015 Jobs	2020 Jobs	Change	Percent Change	Median Earnings
Agricultural and Food Science Technicians (19-4011)	695	732	37	5%	\$17.67
Food Scientists and Technologists (19-1012)	450	474	24	5%	\$27.48
Chemical Technicians (19-4031)	468	550	82	18%	\$18.09
Inspectors, Testers, Sorters, Samplers, and Weighers (51-9061)	5,386	5,871	485	9%	\$15.86

### Summary for 4 occupations

<b>7,000</b> Jobs (2015) 1% above National average	<b>+9.0%</b> % Change (2015-2020) Nation: +5.3%	<b>\$16.86/hr.</b> Median Hourly Earnings Nation: \$17.97/hr.
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### Summary for 7 Programs

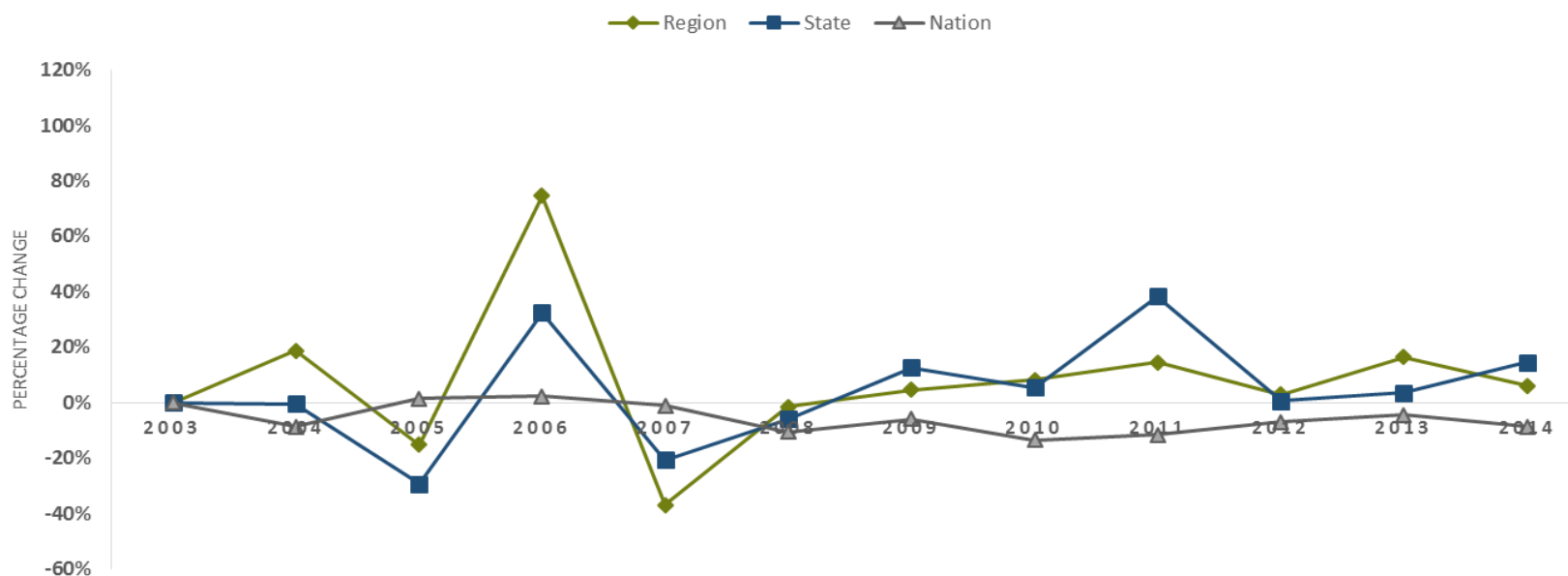
<b>11</b> Regional Institutions	<b>211</b> Regional Program Completions (2014)	<b>1,492</b> Annual Openings (2014)
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There were also no Food Safety and Quality Control Technicians listed in the TOP to CIP to SOC crosswalk. Therefore, those occupations that had Food Safety and Quality Control elements were selected and tracked back to CIP and TOP codes that contained some or all of the relevant occupational elements.

### Program to Occupations Crosswalk

Typography of Program (TOP)		Classification for Instructional Program (CIP)		Standard Occupational Classification (SOC)	
Code	Program	Code	Program	Code	Occupation
010100	Agriculture Technology and Sciences, General	010000	Agriculture, General.	19-4011	Agricultural and Food Science Technicians
010400	Viticulture, Enology, and Wine Business	010309	Viticulture and Enology.	19-4011	Agricultural and Food Science Technicians
011300	Food Processing and Related Technologies	011002	Food Technology and Processing.	19-4011	Agricultural and Food Science Technicians
010100	Agriculture Technology and Sciences, General	010000	Agriculture, General	19-1012	Food Scientists and Technologists
010400	Viticulture, Enology, and Wine Business	010309	Viticulture and Enology	19-1013	Food Scientists and Technologists
011300	Food Processing and Related Technologies	011002	Food Technology and Processing	19-1014	Food Scientists and Technologists
095600	Manufacturing and Industrial Technology	150613	Manufacturing Engineering Technology/Technician	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers
095680	Industrial Quality Control	150702	Quality Control Technology/Technician	51-9062	Inspectors, Testers, Sorters, Samplers, and Weighers
095500	Laboratory Science Technology	410301	Chemical Technology/Technician	51-9063	Inspectors, Testers, Sorters, Samplers, and Weighers
095400	Chemical Technology	410301	Chemical Technology/Technician.	19-4031	Chemical Technicians
095500	Laboratory Science Technology	410301	Chemical Technology/Technician.	19-4031	Chemical Technicians

### Regional, State and National Program Completion Trends



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