



# Labor Market Analysis for Program Recommendation Nutrition, Foods and Culinary Arts Occupations Las Positas College

Prepared by the San Francisco Bay Center of Excellence for Labor Market Research

December 2023

## Recommendation

Based on all available data, there appears to be an “undersupply” of Nutrition, Foods and Culinary Arts workers compared to the demand for this cluster of occupations in the Bay region and in the East Bay sub-region (Alameda, Contra Costa counties). There is a projected annual gap of about 4,680 students in the Bay region and 1,182 students in the East Bay Sub-Region.

## Introduction

This report provides student outcomes data on employment and earnings for TOP 1306.00 - Nutrition, Foods and Culinary Arts programs in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Las Positas College and in the region.

This report profiles Nutrition, Foods and Culinary Arts Occupations in the 12 county Bay region and in the East Bay sub-region for a proposed new program at Las Positas College.

- **Food Service Managers (11-9051):** Plan, direct, or coordinate activities of an organization or department that serves food and beverages. Excludes “Chefs and Head Cooks” (35-1011).  
 Entry-Level Educational Requirement: High school diploma or equivalent  
 Training Requirement: None  
 Percentage of Community College Award Holders or Some Postsecondary Coursework: 36%
  
- **Food Preparation Workers (35-2021):** Perform a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and brewing coffee or tea.  
 Entry-Level Educational Requirement: No formal educational credential  
 Training Requirement: Short-term on-the-job training  
 Percentage of Community College Award Holders or Some Postsecondary Coursework: 29%

## Occupational Demand

**Table 1. Employment Outlook for Nutrition, Foods and Culinary Arts Occupations in Bay Region**

Occupation	2021 Jobs	2026 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Food Service Managers	8,176	9,759	1,582	19%	7,092	1,418	\$25	\$31
Food Preparation Workers	14,753	17,159	2,406	16%	16,516	3,303	\$16	\$18
<b>Total</b>	<b>22,929</b>	<b>26,918</b>	<b>3,989</b>	<b>17%</b>	<b>23,608</b>	<b>4,721</b>		

Occupation	2021 Jobs	2026 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
------------	-----------	-----------	-------------	---------------	---------------------	-----------------	--------------------	--------------------

Source: Lightcast 2022.3

**Bay Region includes:** Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

**Table 2. Employment Outlook for Nutrition, Foods and Culinary Arts Occupations in East Bay Sub-region**

Occupation	2021 Jobs	2026 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
Food Service Managers	2,314	2,744	431	19%	1,973	395	\$26	\$30
Food Preparation Workers	3,562	4,164	602	17%	4,008	802	\$16	\$17
<b>Total</b>	<b>5,876</b>	<b>6,908</b>	<b>1,032</b>	<b>18%</b>	<b>5,981</b>	<b>1,197</b>		

Source: Lightcast 2022.3

**East Bay Sub-Region includes:** Alameda, Contra Costa Counties

**Job Postings in Bay Region and East Bay Sub-Region**

**Table 3. Number of Job Postings by Occupation for latest 12 months**

Occupation	Bay Region	East Bay
Food Service Managers	10,908	3,158
Food Preparation Workers	1,938	514

Source: Lightcast

**Table 4a. Top Job Titles for Nutrition, Foods and Culinary Arts Occupations for latest 12 months - Bay Region**

Title	Bay	Title	Bay
Assistant Managers	1,288	Directors of Food and Beverage	219
General Managers	1,145	Kitchen Managers	204
Restaurant Managers	918	Managers	188
Assistant General Managers	688	Kitchen Staff	163
Restaurant General Managers	488	Front of House Managers	108
Food and Beverage Managers	306	Kitchen Helpers	103
Kitchen Crews	299	Catering Managers	102
Shift Managers	255	Cafe Managers	98
Assistant Restaurant Managers	235	Kitchen Assistants	97

Source: Lightcast

**Table 4b. Top Job Titles for Nutrition, Foods and Culinary Arts Occupations for latest 12 months - East Bay Sub-Region**

Title	East Bay	Title	East Bay
Assistant Managers	472	Kitchen Staff	50
General Managers	366	Managers	49
Restaurant Managers	291	Hourly Managers	37
Assistant General Managers	214	Kitchen Helpers	36
Restaurant General Managers	165	Chief Operations Officers/ General Managers	34
Kitchen Crews	128	Directors of Food and Beverage	33
Shift Managers	92	Food and Beverage Managers	33
Kitchen Managers	65	Assistant Shift Supervisors	32
Assistant Restaurant Managers	57	Directors of Dining Services	29

Source: Lightcast

## Industry Concentration

**Table 5. Industries hiring Nutrition, Foods and Culinary Arts Workers in Bay Region**

Industry - 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2021)	Jobs in Industry (2026)	% Change (2021-26)	% Occupation Group in Industry (2022)
Full-Service Restaurants	8,014	11,637	45%	29%
Limited-Service Restaurants	5,610	7,902	41%	20%
Supermarkets and Other Grocery (except Convenience) Stores	4,229	4,967	17%	12%
Snack and Nonalcoholic Beverage Bars	2,052	3,252	58%	8%
Food Service Contractors	2,168	2,933	35%	7%
Caterers	1,480	1,677	13%	4%
Mobile Food Services	650	690	6%	2%
Hotels (except Casino Hotels) and Motels	359	648	81%	2%
Elementary and Secondary Schools (Local Government)	441	471	7%	1%
Nursing Care Facilities (Skilled Nursing Facilities)	303	295	-3%	1%

Source: Lightcast 2022.3

**Table 6. Top Employers Posting Nutrition, Foods and Culinary Arts Occupations in Bay Region and East Bay Sub-Region**

Employer	Bay	Employer	East Bay
Taco Bell	592	Taco Bell	242
Domino's Pizza	448	Burger King	176
Burger King	406	Domino's Pizza	142
Restaurant Depot	307	Restaurant Depot	140
Compass Group	246	BJ's Restaurants	103
The Habit Burger Grill	235	The Habit Burger Grill	95

Source: Lightcast

### Educational Supply

There are 13 community colleges in the Bay Region issuing 41 awards on average annually (last 3 years ending 2021-22) on TOP 1306.00 - Nutrition, Foods and Culinary Arts. In the East Bay Sub-Region, there are three (3) community colleges that issued 15 awards on average annually (last 3 years) on this TOP code.

**Table 7a. Community College Awards on TOP 1306.00 Nutrition, Foods and Culinary Arts in Bay Region**

College	Subregion	Associate Degree	High unit Certificate	Low unit Certificate	Total
Cabrillo	SC-Monterey	0	1	0	1
Canada	Mid-Peninsula	1	0	0	1
Diablo Valley	East Bay	10	0	0	10
Evergreen Valley	Silicon Valley	5	0	0	5
Foothill	Silicon Valley	0	0	0	0
Las Positas	East Bay	4	0	0	4
Merritt	East Bay	1	0	0	1
Monterey	SC-Monterey	2	0	1	3
San Francisco	Mid-Peninsula	0	0	1	1
San Jose City	Silicon Valley	2	0	0	2
San Mateo	Mid-Peninsula	4	0	0	4
Solano	North Bay	8	0	0	8
West Valley	Silicon Valley	1	0	0	1
<b>Total</b>		<b>38</b>	<b>1</b>	<b>2</b>	<b>41</b>

Source: Data Mart

Note: The annual average for awards is 2019-20 to 2021-22.

### Gap Analysis

Based on the data included in this report, there is a large labor market gap in the Bay region with 4,721 annual openings for the Nutrition, Foods and Culinary Arts occupational cluster and 41 annual (3-year average) awards for an annual undersupply of 4,680 students. In the East Bay Sub-Region, there is also a gap with 1,197 annual openings and 15 annual (3-year average) awards for an annual undersupply of 1,182 students.

## Student Outcomes

**Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 1306.00 - Nutrition, Foods and Culinary Arts**

Metric Outcomes	Bay All CTE Programs	LPC All CTE Programs	State 1306.00	Bay 1306.00	East Bay 1306.00	LPC 1306.00
Students with a Job Closely Related to Their Field of Study	74%	69%	61%	62%	60%	75%
Median Annual Earnings for SWP Exiting Students	\$53,090	\$49,986	\$30,908	\$37,499	\$36,536	\$37,274
Median Change in Earnings for SWP Exiting Students	24%	27%	28%	30%	26%	37%
Exiting Students Who Attained the Living Wage	54%	56%	43%	39%	40%	39%

Source: Launchboard Strong Workforce Program Median of 2018 to 2021.

## Skills, Certifications and Education

**Table 9. Top Skills for Nutrition, Foods and Culinary Arts Occupations in Bay Region**

Skill	Posting	Skill	Posting
Restaurant Operation	7,010	Cash Handling	1,055
Food Safety And Sanitation	2,737	Customer Complaint Resolution	1,029
Restaurant Management	2,400	Cost Control	969
Food Services	2,123	Accounting	895
Marketing	1,782	Cash Control	838
Profit And Loss (P&L) Management	1,388	Purchasing	833
Food Quality Assurance And Control	1,347	Merchandising	802
Food Preparation	1,286	Auditing	768
Inventory Management	1,097	Hazard Analysis And Critical Control Points (HACCP)	751
Cooking	1,071	Operations Management	638

Source: Lightcast

**Table 10. Certifications for Nutrition, Foods and Culinary Arts Occupations in Bay Region**

Certification	Posting	Certification	Posting
ServSafe Certification	2,170	Registered Dietitian (RD/RDN)	56
Valid Driver's License	1,349	Certified Sommelier	34
Food Handler's Card	527	Training For Intervention Procedures (TIPS) Certification	31

Certification	Posting	Certification	Posting
Cardiopulmonary Resuscitation (CPR) Certification	148	Alcohol Certification	25
First Aid Certification	144	American Culinary Federation Certification	16
Food Safety Certification	119	Certified Sous Chef	15
Food Safety Manager Certification	74	Master of Business Administration (MBA)	13
Responsible Beverage Service (RBS) Certification	70	Hazard Analysis And Critical Control Point (HACCP) Certification	9
Certified Dietary Manager (CDM)	67	Wine & Spirit Education Trust (WSET) Certification	9

Source: Lightcast

**Table 11. Education Requirements for Nutrition, Foods and Culinary Arts Occupations in Bay Region**

Education Level	Job Postings	% of Total
High school or GED	3,749	52%
Associate degree	1,119	16%
Bachelor's degree & higher	2,304	32%

Source: Lightcast

Note: 59% of records have been excluded because they do not include a degree level. As a result, the chart above may not be representative of the full sample.

## Methodology

Occupations for this report were identified by use of job descriptions and skills listed in O\*Net. Labor demand data is sourced from Lightcast occupation and job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CCCCO Data Mart and CTE Launchboard.

## Sources

O\*Net Online

Lightcast

CTE LaunchBoard [www.calpassplus.org](http://www.calpassplus.org)

Launchboard

Statewide CTE Outcomes Survey

Employment Development Department Unemployment Insurance Dataset

Living Insight Center for Community Economic Development

Chancellor's Office MIS system

## Contacts

For more information, please contact:

- Leila Jamoosian, Research Analyst, for Bay Area Community College Consortium (BACCC) and Centers of Excellence (COE), [leila@baccc.net](mailto:leila@baccc.net)
- John Carrese, Director, San Francisco Bay Center of Excellence for Labor Market Research, [jcarrese@ccsf.edu](mailto:jcarrese@ccsf.edu) or (415) 267-6544