

**Program Endorsement Brief: 1306.00/Nutrition, Foods, and Culinary Arts
Nutrition Assistant**

Los Angeles/Orange County Center of Excellence, January 2021

Summary Analysis

Program Endorsement:	Endorsed: All Criteria Met	<input type="checkbox"/>	Endorsed: Some Criteria Met	<input checked="" type="checkbox"/>	Not Endorsed	<input type="checkbox"/>
Program Endorsement Criteria						
Supply Gap:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Living Wage: (Entry-Level, 25th)	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>		
Education:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Emerging Occupation(s)						
Yes <input type="checkbox"/>			No <input checked="" type="checkbox"/>			

The Los Angeles/Orange County Center of Excellence for Labor Market Research (COE) prepared this report to provide Los Angeles/Orange County regional labor market supply and demand data related to three middle-skill occupations: *food service managers* (11-9051), *dietetic technicians* (29-2051), and *first-line supervisors of food preparation and serving workers* (35-1012). Middle-skill occupations typically require some postsecondary education, but less than a bachelor’s degree.¹ This report is intended to help determine whether there is demand in the local labor market that is not being met by the supply from community college programs that align with the relevant occupations.

Based on the available data, there appears to be a supply gap for the three nutrition-related occupations in the LA/OC region. **Therefore, the COE endorses this proposed program.** Detailed reasons include:

Demand:

- **Supply Gap Criteria** - Over the next five years, there is projected to be **8,991 jobs available annually** in the LA/OC region due to growth and replacements, **which is more than the 1,731 awards conferred annually** by educational institutions in the region.

¹ The COE classifies middle-skill jobs as the following:

- All occupations that require an educational requirement of some college, associate degree or apprenticeship;
- All occupations that require a bachelor’s degree, but also have more than one-third of their existing labor force with an educational attainment of some college or associate degree; or
- All occupations that require a high school diploma or equivalent or no formal education, but also require short- to long-term on-the-job training where multiple community colleges have existing programs.

- **Living Wage Criteria** - Within Los Angeles County, **30% of the annual job openings** for these nutrition-related occupations have **entry-level wages above the county’s living wage** (\$15.04/hour).²
- **Education Criteria** - Within the LA/OC region, **98% of the annual job openings** for occupations related to nutrition **typically require a high school degree or equivalent**.
 - However, national-level educational attainment data indicates **between 36.9% and 55.7% of workers in the field have completed some college or an associate degree**.

Supply:

- There are **18 community colleges** in the LA/OC region that issue awards related to nutrition, conferring an average of **853 awards annually** between 2016 and 2019.
- Between 2014 and 2017, there was an average of **878 awards conferred annually** in related training programs by non-community college institutions throughout the LA/OC region.

Occupational Demand

Exhibit 1 displays the five-year occupational demand projections for three nutrition-related occupations. In Los Angeles/Orange County, the number of jobs related to these occupations is projected to increase by 8% through 2024. There will be nearly 9,000 job openings per year through 2024 due to new job growth and replacements in the LA/OC region.

This report includes employment projection data by Emsi which uses EDD information. Emsi’s projections are modeled on recorded (historical) employment figures and incorporate several underlying assumptions, including the assumption that the economy, during the projection period, will be at approximately full employment. To the extent that a recession or labor shock, such as the economic effects of COVID-19, can cause long-term structural change, it may impact the projections. At this time, it is not possible to quantify the impact of COVID-19 on projections of industry and occupational employment. Therefore, the projections included in this report do not take the impacts of COVID-19 into account.

Exhibit 1: Occupational demand in Los Angeles and Orange Counties³

Geography	2019 Jobs	2024 Jobs	2019-2024 Change	2019-2024 % Change	Annual Openings
Los Angeles	42,250	45,608	3,359	8%	6,633
Orange	14,998	16,142	1,144	8%	2,358
Total	57,248	61,750	4,502	8%	8,991

² Living wage data was pulled from California Family Needs Calculator on 1/7/2020. For more information, visit the California Family Needs Calculator website: <https://insightcced.org/2018-family-needs-calculator/>.

³ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Wages—The labor market endorsement in this report considers the entry-level hourly wages for three nutrition-related occupations in Los Angeles County, as they relate to the county’s living wage. Orange County wages are included below in order to provide a complete analysis of the LA/OC region. Detailed wage information, by county, is included in Appendix A.

Los Angeles County—Approximately 30% of the annual job openings for these occupations have entry-level wages above the living wage for one adult (\$15.04 in Los Angeles County).⁴ Typical entry-level hourly wages are in a range between \$13.10 and \$16.00. Experienced workers can expect to earn wages between \$20.21 and \$33.76, which are higher than the living wage estimate.

Orange County—All of the annual openings for these occupations have entry-level wages below the living wage for one adult (\$17.36 in Orange County).⁵ Typical entry-level hourly wages are in a range between \$13.31 and \$15.86. Experienced workers can expect to earn hourly wages between \$20.76 and \$31.96, which are higher than the living wage in Orange County.

Job Postings—Of the 13,000 job postings for the three nutrition-related occupations in the region, only 477 ads sought candidates with nutrition/dietetics skills. The job titles with the most postings were dietary supervisor, dietary manager, nutrition assistant, dining services department manager, and certified dietary manager. The top skills were: food preparation, food service experience, nutrition services, staff management, and food safety. The top employers, by number of job postings, in the region were: Healthcare Services Group Inc., Compass Group North America, Irvine USD, Emanate Health, and UCLA.

It is important to note that the job postings data included in this section reflects online job postings listed in the past 12 months and does not yet demonstrate the impact of COVID-19. While employers have generally posted fewer online job postings since the beginning of the pandemic, the long-term effects are currently unknown.

Educational Attainment

The Bureau of Labor Statistics (BLS) lists the following typical entry-level education requirements for the three nutrition-related occupations in this report:

- **Associate degree:** *dietetic technicians (29-2051)*
- **High school diploma or equivalent:** *food service managers (11-9051), first-line supervisors of food preparation and serving workers (35-1012)*

⁴ Living wage data was pulled from California Family Needs Calculator on 1/7/2020. For more information, visit the California Family Needs Calculator website: <https://insightcced.org/2018-family-needs-calculator/>.

⁵ Ibid.

In the LA/OC region, 98% of the annual job openings for the nutrition-related occupations typically require a high school diploma or equivalent. However, the national-level educational attainment data indicates that between 36.9% and 55.7% of workers in the field have completed some college or an associate degree as their highest level of education. Of the 51% of nutrition-related job postings listing a minimum education requirement in Los Angeles/Orange County, 89% (218) requested a high school diploma and 11% (27) requested an associate degree.

Educational Supply

Community College Supply—Exhibit 2 shows the annual and three-year average number of awards conferred by community colleges in the related TOP codes: Nutrition, Foods, and Culinary Arts (1306.00), Dietetic Services and Management (1306.20), Culinary Arts (1306.30), and Dietetic Technology (1306.60). The colleges with the most completions in the region are LA Trade-Tech and LA Mission. Over the past 12 months, there were six other related program recommendation requests from regional community colleges.

Exhibit 2: Regional community college awards (certificates and degrees), 2016-2019

TOP Code	Program	College	2016-2017 Awards	2017-2018 Awards	2018-2019 Awards	3-Year Award Average
1306.00	Nutrition, Foods, and Culinary Arts	East LA	-	7	14	7
		Glendale	19	4	3	9
		LA Mission	2	3	4	3
		Long Beach	-	2	8	3
		Mt. San Antonio	10	10	15	12
		Pasadena	-	-	2	1
		Santa Monica	1	5	3	3
		West LA	-	1	4	2
		LA Subtotal	32	32	53	39
		Fullerton	2	9	6	6
		Orange Coast	16	9	17	14
		Saddleback	17	23	26	22
		Santa Ana	-	3	3	2
		OC Subtotal	35	44	52	44
		Supply Subtotal/Average			67	76
1306.20	Dietetic Services and Management	Glendale	14	7	14	12
		LA City	10	7	7	8
		Long Beach	20	12	8	13
		LA Subtotal	44	26	29	33
		Orange Coast	11	3	11	8
		OC Subtotal	11	3	11	8

TOP Code	Program	College	2016-2017 Awards	2017-2018 Awards	2018-2019 Awards	3-Year Award Average
Supply Subtotal/Average			55	29	40	41
1306.30	Culinary Arts	Cerritos	72	77	69	73
		Glendale	1	-	1	1
		LA Harbor	71	10	61	47
		LA Mission	143	158	146	149
		LA Trade-Tech	176	139	144	153
		Long Beach	35	35	48	39
		Mt San Antonio	11	13	16	13
		LA Subtotal	509	432	485	475
		Cypress	59	97	99	85
		Orange Coast	84	97	76	86
		Saddleback	23	26	32	27
		Santiago Canyon	12	4	89	35
		OC Subtotal	178	224	296	233
Supply Subtotal/Average			687	656	781	708
1306.60	Dietetic Technology	LA City	6	-	-	2
		Long Beach	10	11	13	11
		LA Subtotal	16	11	13	13
		Orange Coast	7	2	13	7
		OC Subtotal	7	2	13	7
Supply Subtotal/Average			23	13	26	21
Supply Total/Average			832	774	952	853

Non-Community College Supply—There are other institutions in the region that provide training programs related to nutrition. Exhibit 3 shows the annual and three-year average number of awards conferred by these institutions in the related Classification of Instructional Programs (CIP) Codes: Baking and Pastry Arts/Baker/Pastry Chef (12.0501), Culinary Arts/Chef Training (12.0503), Food Preparation/Professional Cooking/Kitchen Assistant (12.0505), and Foods, Nutrition, and Wellness Studies, General (19.0501). Due to different data collection periods, the most recent three-year period of available data is from 2014 to 2017. Between 2014 and 2017, non-community colleges in the region conferred an average of 878 awards annually in related training programs.

Exhibit 3: Regional non-community college awards, 2014-2017

CIP Code	Program	College	2014-2015 Awards	2015-2016 Awards	2016-2017 Awards	3-Year Award Average
12.0501	Baking and Pastry Arts/ Baker/ Pastry Chef	Argosy University- The Art Institute of California-Hollywood	17	17	11	15
		Argosy University- The Art Institute of California-Los Angeles	28	19	11	19
		Argosy University- The Art Institute of California-OC	55	35	17	36
		Le Cordon Bleu College of Culinary Arts- Pasadena	183	202	181	189
12.0503	Culinary Arts/ Chef Training	Argosy University- The Art Institute of California-Hollywood	37	26	22	28
		Argosy University- The Art Institute of California-Los Angeles	58	29	21	36
		Argosy University-The Art Institute of California-OC	76	43	27	49
		Hacienda La Puente Adult Education	19	22	23	21
		Le Cordon Bleu College of Culinary Arts- Pasadena	499	474	378	450
12.0505	Food Preparation/ Professional Cooking/ Kitchen Assistant	Baldwin Park Adult & Community Education	28	31	25	28
19.0501	Foods, Nutrition, and Wellness Studies, General	Brandman University	8	4	8	7
Total/Average			1,008	902	724	878

Appendix A: Occupational demand and wage data by county

Exhibit 4. Los Angeles County

Occupation (SOC)	2019 Jobs	2024 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings (25th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75th Percentile)
First-Line Supervisors of Food Preparation and Serving Workers (35-1012)	25,096	27,696	2,600	10%	4,515	\$14.02	\$16.93	\$22.40
Food Service Managers (11-9051)	15,515	16,168	653	4%	1,961	\$16.00	\$23.33	\$33.76
Dietetic Technicians (29-2051)	1,639	1,744	105	6%	156	\$13.10	\$14.68	\$20.21
Total	42,250	45,608	3,359	8%	6,633			

Exhibit 5. Orange County

Occupation (SOC)	2019 Jobs	2024 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Entry-Level Hourly Earnings (25th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75th Percentile)
First-Line Supervisors of Food Preparation and Serving Workers (35-1012)	9,286	10,171	885	10%	1,650	\$13.31	\$15.99	\$21.02
Food Service Managers (11-9051)	5,271	5,506	236	4%	667	\$15.86	\$23.09	\$31.96
Dietetic Technicians (29-2051)	442	465	23	5%	41	\$13.46	\$15.08	\$20.76
Total	14,998	16,142	1,144	8%	2,358			

Exhibit 6. Los Angeles and Orange counties

Occupation (SOC)	2019 Jobs	2024 Jobs	5-Yr Change	5-Yr % Change	Annual Openings	Typical Entry-Level Education
First-Line Supervisors of Food Preparation and Serving Workers (35-1012)	34,382	37,867	3,485	10%	6,165	HS Diploma or equivalent
Food Service Managers (11-9051)	20,786	21,675	889	4%	2,628	HS Diploma or equivalent
Dietetic Technicians (29-2051)	2,080	2,209	128	6%	197	Associate degree
Total	57,248	61,750	4,502	8%	8,991	

Appendix B: Sources

- O*NET Online
- Labor Insight/Jobs (Burning Glass)
- Economic Modeling Specialists, International (Emsi)
- Bureau of Labor Statistics (BLS)
- Employment Development Department, Labor Market Information Division, OES
- California Community Colleges Chancellor's Office Management Information Systems (MIS)
- California Family Needs Calculator, Insight Center for Community Economic Development
- Chancellor's Office Curriculum Inventory (COCI 2.0)

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