CENTER OF EXCELLENCE FOR LABOR MARKET RESEARCH
LOS ANGELES

Labor Market Analysis: 1225.00 – Radiologic Technology
51.0911 – Radiologic Technology/Science - Radiographer
Computed Tomography – Certificate requiring 60+ semester units

Los Angeles Center of Excellence, May 2026

Program Endorsement:	Endorsed: All Criteria Met ☒	Endorsed: Some Criteria Met ☐	Not Endorsed ☐
Program Endorsement Criteria			
Supply Gap:	Yes ☑ (See below)		No ☐
Living Wage: (Entry-Level, 25th)	Yes ☑		No ☐
Education:	Yes ☑		No ☐
Emerging Occupation(s)			
Yes ☐			No ☑

SUMMARY

This report analyzes whether local labor market demand is being met by community college programs aligned with the identified middle-skill occupation[1] or whether a shortage of workers exists. Labor market demand is measured by annual job openings while education supply is measured by the number of awards (degrees and certificates) conferred on average each year.

Based on the available data, the talent supply is within the COE's acceptable margin (the number of awards issued is 25% over or under the number of annual openings) and is therefore considered "supply met" rather than a "supply gap." There may be demand for these workers from local employers that is not reflected in traditional labor market data. For this reason, real-time labor market data is included in this report as well – to provide a more nuanced view of the regional job market for *radiologic technologists and technicians*. Furthermore, entry-level wages exceed the self-sufficiency standard wage in both Los Angeles and Orange counties, and the Bureau of Labor Statistics (BLS) lists and associate degree as the typical entry-level education level.

Recommendation: Due to all three program endorsement criteria being met, the Los Angeles Center of Excellence for Labor Market Research (LA COE) endorses this proposed program.

[1] Middle-skill occupations typically require some postsecondary education, but less than a bachelor's degree. 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.

Key Findings

Supply Gap

- 428 annual job openings are projected in the region through 2029. This number is greater than the three-year average of 477 awards conferred by educational institutions in the region.
    - Although there are more awards conferred than job openings, the data suggests that the ***demand has been met for this occupation within the LA/OC region*** since the three-year average number of awards (supply) is within the COE's 25% margin of annual job openings (demand).
    - Over the past 12 months, there were **1,221 online job postings related to *radiologic technologists and technicians***. The highest number of job postings were for travel computed tomography techs, radiology technologists, computed tomography technologists, mammography technologists, and travel interventional radiology technologists.

Living Wage

- $37.48 is the typical entry-level hourly wages for *radiologic technologists and technicians,* which is higher than Los Angeles County's self-sufficiency standard hourly ($24.03/hour).[2]

Educational Attainment

- An associate degree is the typical entry-level education for *radiologic technologists and technicians*, according to the Bureau of Labor Statistics (BLS).
- 66% of workers in the field have completed some college or an associate degree, according to national educational attainment data.

Community college supply

- 7 community colleges issued awards related to radiologic technology in the greater LA/OC region.
- 310 awards (degrees and certificates) were conferred on average each year between 2023 and 2025.

Other postsecondary supply

- 5 educational institutions in the LA/OC region have conferred awards in programs related to radiologic technology over the past three years.
- 167 awards were conferred on average each year by other postsecondary institutions throughout the greater LA/OC region between 2022 and 2024.

TARGET OCCUPATION

LA COE prepared this report to provide regional labor market and postsecondary supply data related to one middle-skill occupation:

- ***Radiologic Technologists and Technicians* (29-2034)** Take x-rays and CAT scans or administer nonradioactive materials into patient's bloodstream for diagnostic or research purposes. Includes radiologic technologists and technicians who specialize in other scanning modalities. [3]

[2] Center for Women's Welfare, University of Washington. (2024). *The self-sufficiency standard for California 2024.* http://selfsufficiencystandard.org/California.

[3] Radiologic and MRI Technologists (bls.gov)

OCCUPATIONAL DEMAND

Exhibit 1 shows the five-year occupational demand projections for *radiologic technologists and technicians*. In the greater Los Angeles/Orange County region, the number of jobs related to this occupation is projected to increase by 5% through 2029. There will be more than 400 job openings per year through 2029 due to job growth and replacements. The majority of jobs in 2024 for these *radiologic technologists and technicians* (75%) were located in Los Angeles County.

Exhibit 1: Current employment and occupational demand, Los Angeles and Orange counties[4]

Geography	2024 Jobs	2029 Jobs	2024-2029 Change	2024-2029 % Change	Annual Openings
Los Angeles	5,096	5,336	239	5%	313
Orange	1,730	1,846	117	7%	114
Total	**6,826**	**7,182**	**356**	**5%**	**428**

Detailed Occupation Data

Exhibit 2 displays the current employment and projected occupational demand for the target occupation in Los Angeles County. The average percentage of workers aged 55+ across all occupations in the Los Angeles/Orange County region is 26%; occupations with a larger share of workers aged 55 and older typically have greater replacement needs to offset the amount of impending retirements. On average, 81% of workers across all occupations in California are employed full-time.

Exhibit 2: Detailed employment and occupational demand, Los Angeles County[5]

Occupation	2024 Jobs	2029 Jobs	5-Yr % Change	Annual Openings	% Aged 55 and older	% Full Time Workers
Radiologic Technologists and Technicians	5,096	5,336	5%	313	21%	100%

WAGES

The labor market endorsement in this report considers the entry-level hourly wages for *radiologic technologists and technicians* in Los Angeles County as they relate to the county's self-sufficiency standard wage. Orange County wages are included below in order to provide a complete analysis of the greater Los Angeles/Orange County region.

Los Angeles County

The typical entry-level hourly wages for *radiologic technologists and technicians* are $37.48, which is above the self-sufficiency standard wage for one adult ($24.03 in Los Angeles County). Experienced workers can expect to earn wages of $60.92 (Exhibit 3).

[4] Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.
[5] Ibid.

Exhibit 3: Earnings for occupation in Los Angeles County

Occupation	Entry-Level Hourly Earnings (25th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75th Percentile)	Median Annual Earnings*
Radiologic Technologists and Technicians	$37.48	$48.99	$60.92	$101,900

*Rounded to the nearest $100

Orange County

The typical entry-level hourly wages for *radiologic technologists and technicians* are $38.00, which is above the self-sufficiency standard wage for one adult ($27.13 in Orange County). Experienced workers can expect to earn wages of $61.81 (Exhibit 4).

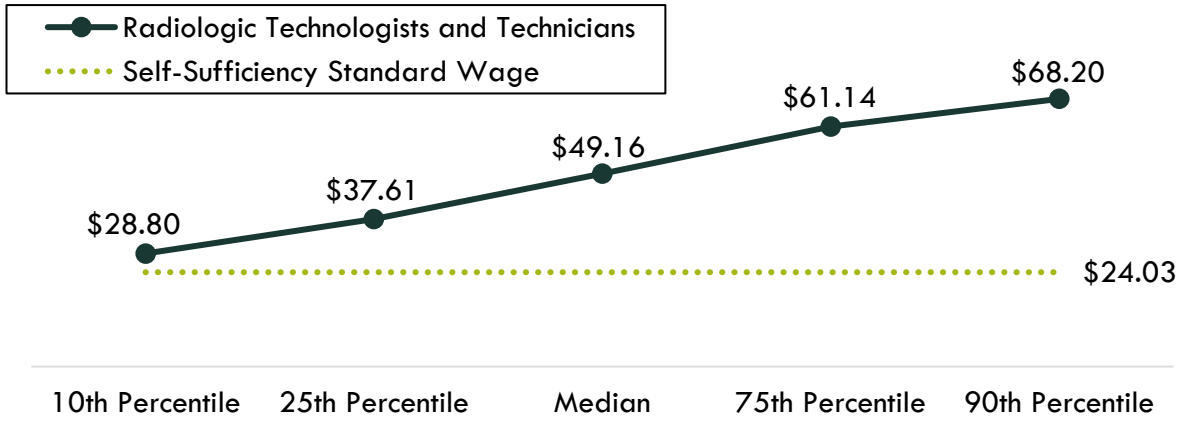
Exhibit 4: Earnings for occupation in Orange County

Occupation	Entry-Level Hourly Earnings (25th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75th Percentile)	Median Annual Earnings*
Radiologic Technologists and Technicians	$38.00	$49.69	$61.81	$103,400

*Rounded to the nearest $100

Across the greater Los Angeles and Orange County region, the average entry-level hourly earnings for the occupation in this report are $37.61; this is above the living wage for one single adult in Los Angeles County ($24.03). Exhibit 5 shows the average hourly wage for the occupation in this report, for entry-level to experienced workers.

Exhibit 5: Average hourly earnings for the target occupation, Los Angeles and Orange counties



JOB POSTINGS

There were 1,221 online job postings related to *radiologic technologists and technicians* listed in the past 12 months in Los Angeles and Orange counties. Job postings were analyzed for the most common job titles, skills, and employers associated with the target occupation in this report (Exhibit 6).

Exhibit 6: Most commonly requested job titles, skills and employers in job postings, Los Angeles and Orange counties

Top Job Titles	Top Skills	Top Employers
• Travel computed tomography techs • Radiology technologists • Computed tomography technologists • Mammography technologists • Travel interventional radiology technologists	• Radiology • Radiography • Fluoroscopy • X-ray computed tomography • Radiation protection • Mammography • Geriatrics • Anatomy	• Providence* • Vetted Health • University of California • RadNet* • University of California-Irvine • SimonMed Imaging • Hoag Health System • Aya Healthcare*

*Staffing company

In the greater Los Angeles/Orange County region, 19% of the target job postings listed a minimum educational requirement. Exhibit 7 details the number and percentage of job postings by educational level.

Exhibit 7: Education levels requested in job postings for target occupation, Los Angeles and Orange counties

Education Level	Job Postings	% of Job Postings
Bachelor's degree	28	12%
Associate degree	91	40%
High school diploma or vocational training	107	48%

EDUCATIONAL ATTAINMENT

The Bureau of Labor Statistics (BLS) lists an associate degree as the typical entry-level education for *radiologic technologists and technicians* (Exhibit 8). Furthermore, the national-level data indicates 66% of workers in the field have completed some college or an associate degree as their highest level of educational attainment. The Bureau of Labor Statistics (BLS) lists the following typical entry-level education levels for the occupation in this report:

Exhibit 8: Entry-level education preferred by employers nationally, Bureau of Labor Statistics

Occupation	Education Level
Radiologic technologists and technicians	Associate degree

EDUCATIONAL SUPPLY

Community College Supply

Exhibit 9 shows the annual and three-year average number of awards conferred by community colleges in the related TOP code: Radiologic Technology (1225.00). The colleges with the most completions in the region are Cypress, Orange Coast, and Mt. San Antonio.

Exhibit 9: Regional community college awards (certificates and degrees), 2023-2025

TOP Code	Program	College	2022-23 Awards	2023-24 Awards	2024-25 Awards	3-Year Average
1225.00	Radiologic Technology	El Camino	23	17	22	21
		LA City	12	19	26	19
		Long Beach	48	33	31	37
		Mt San Antonio	43	38	45	42
		Pasadena	45	23	33	34
		LA Subtotal	**171**	**130**	**157**	**153**
		Cypress	75	78	110	88
		Orange Coast	39	110	60	70
		OC Subtotal	**114**	**188**	**170**	**157**
		Supply Total/Average	**285**	**318**	**327**	**310**

Exhibit 10 displays the community college awards broken down by award type. In this case, the majority of awards issued by community colleges are associate degrees (52%).

Exhibit 10: Community college awards by award type, 2023-2025

Award Type	# of Awards	% of Awards
A.A./A.S. degrees	161	52%
Certificates	149	48%
Total	**310**	**100%**

Other Postsecondary Supply

For a comprehensive regional supply analysis, it is important to consider the supply from other institutions in the region that provide training programs for *radiologic technologists and technicians*. Exhibit 11 shows the number of awards conferred by these institutions in relevant programs. Due to different data collection periods, the most recent data is from 2022 to 2024. Between 2022 and 2024, other postsecondary college institutions in the region conferred an average of 167 bachelor's and sub-baccalaureate awards. Sub-baccalaureate awards include associate degrees, postsecondary awards, and other academic awards that typically take fewer than four years to complete.

Exhibit 11: Other regional postsecondary awards, 2022-2024

CIP Code	Program	Postsecondary Institution	2021-22 Awards	2022-23 Awards	2023-24 Awards	3-Year Average
51.0911	Radiologic Technology/ Science - Radiographer	American Career College-Anaheim	-	41	24	22
		American Career College-Los Angeles	35	27	42	35
		CSU-Northridge	23	21	21	22
		Charles R Drew Univ. of Medicine & Science	22	32	34	29
		Modern Technology School	61	61	58	60
		Supply Total/Average	**141**	**182**	**179**	**167**

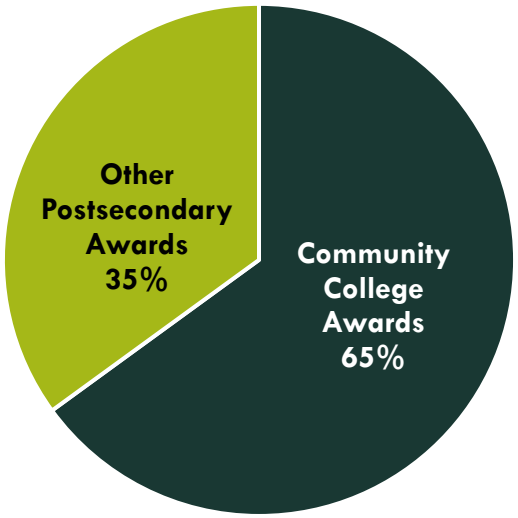
Exhibit 12 shows the breakdown of other postsecondary awards by award type. The majority of awards issued by other postsecondary schools are sub-baccalaureate awards (X%).

Exhibit 12: Other postsecondary awards by award type, 2022-2024

Award Type	# of Awards	% of Awards
Bachelor's degrees	22	13%
Sub-baccalaureate awards	145	87%
Total	**167**	**100%**

Exhibit 13 shows the proportion of community college awards conferred in the greater Los Angeles/Orange County region compared to the number of other postsecondary awards for the programs in this report. The majority of awards conferred in these programs are awarded by community colleges in the greater Los Angeles/Orange County region.

Exhibit 13: Percentage of community college awards compared to other postsecondary institution awards in the Los Angeles/Orange County region



Certifications

In order to become a Computed Tomography (CT) technologist in California, workers must:

- Earn an associate degree or higher in an approved radiologic technology program;
- Become certified by the American Registry of Radiologic Technologists (AART)[6] or the Nuclear Medicine Technology Certification Board (NMTCB); [7] and
- Complete the post-primary certification for Computed Tomography (CT).

To earn post-primary credentials in CT, workers must first be certified and registered in radiography, nuclear medicine technology, or radiation therapy. The post-primary certification can be earned through AART or NMTCB, and includes an exam, clinical hours and contact hours. Recent passing rates for the CT exam are listed in Exhibit 14. More information on the computed tomography (CT) requirements can be found on the AART[8] and NMTCB[9] websites.

Exhibit 14: Certified Tomography (CT) Information and Exam Pass Rates,[10,11]

Organization	Certification/ Credential Name	Radiation Therapy Certification Exam Pass Rates (total taking exam)		
		2023	2024	2025
American Registry of Radiologic Technologists (AART)	Computed Tomography (CT)	73% (6,022)	74% (6,606)	75% (6,912)
Nuclear Medicine Technology Certification Board (NMTCB)	NMTCB(CT)	69% (161)	69% (171)	61% (167)

[6] Computed Tomography - ARRT
[7] Computed Tomography - NMTCB
[8] Computed Tomography - ARRT
[9] Computed Tomography - NMTCB
[10] Exam Statistics - ARRT
[11] Computed Tomography Exam Annual Reports - Computed Tomography - Exams | NMTCB

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DATA SOURCES

- O*NET Online
- Lightcast (formerly Emsi)
- Bureau of Labor Statistics (BLS)
- California Employment Development Department, Labor Market Information Division, OES
- California Community Colleges Chancellor's Office Management Information Systems (MIS)
- Self-Sufficiency Standard at the Center for Women's Welfare, University of Washington
- Chancellor's Office Curriculum Inventory (COCI 2.0)