

# PROGRAM ENDORSEMENT BRIEF



**C·O·E**

CENTERS OF EXCELLENCE  
FOR LABOR MARKET RESEARCH

## RADIOLOGIC TECHNOLOGISTS AND TECHNICIANS IN THE GREATER SACRAMENTO REGION

North (Greater Sacramento)  
Center of Excellence

**MAY 2021**

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## SUMMARY

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The North/Far North Center of Excellence for Labor Market Research prepared this report to provide a labor market analysis of educational supply and occupational demand for middle-skilled career pathways in the North (Greater Sacramento) subregion. This report aims to determine if occupational demand in the local labor market is being met by the supply from existing community college programs and other postsecondary training providers.

This report primarily focuses on training that leads to jobs in middle-skilled occupations - that is, occupations that typically require education beyond a high school diploma but less than a bachelor's degree. This report may also include higher-skilled occupations for training pathways that lead to a bachelor's degree. Low-skilled occupations are rarely considered in this type of analysis due to fewer educational barriers for entry-level work, such as no formal education requirements and fewer requirements for work experience and on-the-job training.

Key findings include:

- The North (Greater Sacramento) region held about 1,200 radiologic technologist and technician jobs in 2019. Jobs are projected to increase by 9% over the next five years, adding more than 100 new jobs to the subregion by 2024.
- Over the next five years, radiologic technologist and technician occupations are projected to have 82 annual openings in the North (Greater Sacramento) region.
- Wage data shows that radiologic technologists and technicians typically earn entry-level hourly wages above the subregion's living wage of \$13.18.
- Recent online job postings show that employers are looking for radiologic technologists with additional certifications, such as mammography, interventional radiography, x-ray, and computed tomography.
- Analysis of awards data shows that North (Greater Sacramento) Community Colleges conferred an annual average of 18 awards (certificates and associate degrees) in radiologic technology programs over the last three academic years, from 2017-2018 through 2019-2020.

# INTRODUCTION

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The North (Greater Sacramento) Center of Excellence was asked to provide labor market information for a proposed program at a regional community college. This report focuses on the following Standard Occupational Classification (SOC) occupations and codes:

- Radiologic Technologists and Technicians (29-2034)

A review of related programs revealed the following program(s) and Taxonomy of Programs (TOP) code(s) are appropriate for inclusion in this report:

- Radiologic Technology (1225.00)

The corresponding Classification of Instructional Programs (CIP) code(s) are:

- Radiologic Technology/Science - Radiographer (51.0911)

# OCCUPATIONAL DEMAND

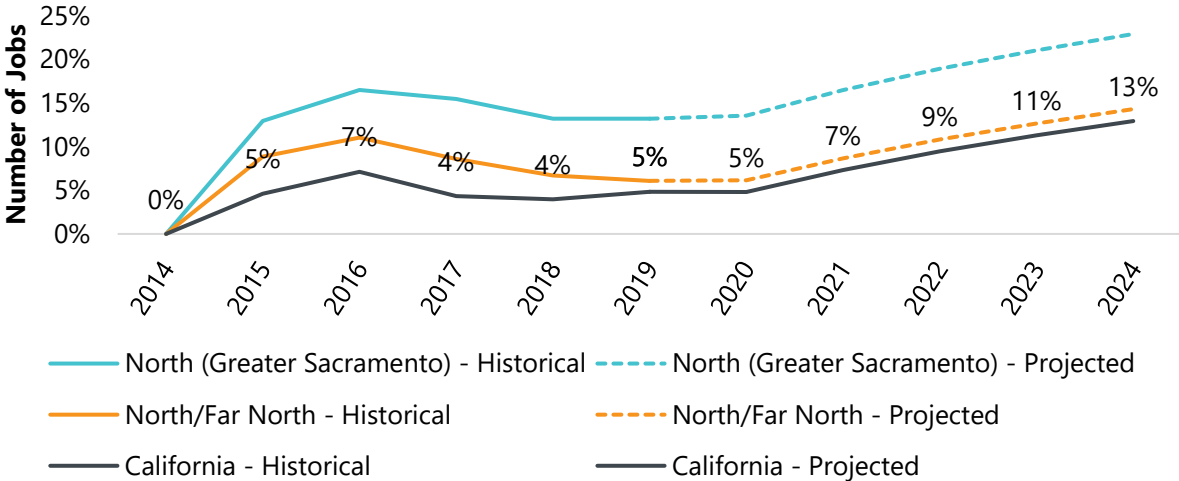
Exhibit 1 summarizes the five-year projected job growth for middle-skill(\*) and high-skill(\*\*) occupations in the North (Greater Sacramento) subregion, North/Far North, and California.

**Exhibit 1. Occupational employment and projected demand, 2019-2024**

Occupation	2019 Jobs	2024 Jobs	2019-2024 Jobs Change	2019-2024 Jobs % Change	2019-2024 Annual Openings
Radiologic Technologists and Technicians*	1,234	1,340	106	9%	82
<b>North (Greater Sacramento)</b>	<b>1,234</b>	<b>1,340</b>	<b>106</b>	<b>9%</b>	<b>82</b>
Radiologic Technologists and Technicians*	1,647	1,775	128	8%	107
<b>North/Far North</b>	<b>1,647</b>	<b>1,775</b>	<b>128</b>	<b>8%</b>	<b>107</b>
Radiologic Technologists and Technicians*	18,001	19,393	1,392	8%	1,170
<b>California</b>	<b>18,001</b>	<b>19,393</b>	<b>1,392</b>	<b>8%</b>	<b>1,170</b>

Exhibit 2 compares the percent change in jobs between 2014 through 2019 and the projected changes through 2024. The rate of change is indexed to the total number of jobs in 2014.

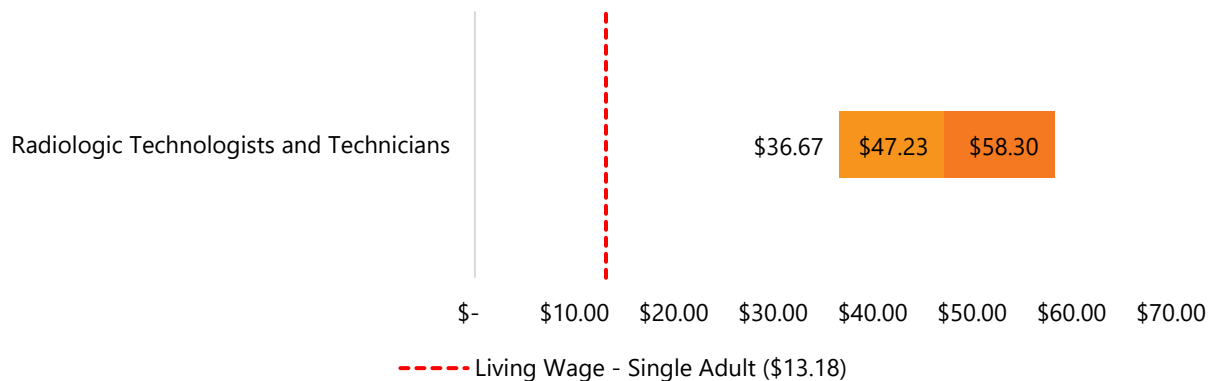
**Exhibit 2. Changes in occupational employment, 2014-2024**



# WAGES

Exhibit 3 compares the entry-level, median, and experienced wages for the selected occupations to the North (Greater Sacramento) living wage for a single adult - \$13.18 per hour.<sup>1</sup>

**Exhibit 3. Comparison of wages by occupation, 2019**



# JOB POSTINGS

This section of the report analyzes recent data from online job postings (real-time LMI). Online job postings may provide additional insight into recent changes in the labor market that are not captured by historical and projected trends.

The NFN COE identified 424 online job postings for the selected occupations in the North (Greater Sacramento) region. Job postings data comes from Burning Glass Labor Insights and represents new listings posted online within the last year, from June 1, 2020, to May 31, 2021. Please note that Burning Glass uses the Bureau of Labor Statistics 2010 Standard Occupational Classification (SOC) system; the NFN COE cross-matched 2018 SOC codes to 2010 SOC codes.

## Occupations and Job Titles

Exhibit 4 details the number of online job postings for the selected occupations. All job postings were aligned to an occupation. Occupations marked with asterisks are considered middle-skilled (\*) or high-skilled (\*\*).

<sup>1</sup> Living wage is defined as the level of income a single adult with no children must earn to meet basic needs, including food, housing, transportation, healthcare, taxes, and other miscellaneous basic needs. The 25th-percentile and 75th-percentile hourly wages are used as proxy for entry-level and experienced-level wages.

#### Exhibit 4. Number of job postings by occupation

Occupation	Job Postings	Share of Job Postings
Radiologic Technologists*	389	92%
Radiologic Technicians*	35	8%
<b>Total Job Postings</b>	<b>424</b>	<b>100%</b>

Exhibit 5 shows the top 10 job titles with the most job postings and the share of job postings. All job postings included a job title.

#### Exhibit 5. Top jobs titles

Job Title	Job Postings	Share of Job Postings
Radiologic Technologist	43	10%
Mammographer Technician Travel	29	7%
Travel Radiology Technician/X-ray	26	6%
Radiology Technologist	22	5%
Radiology Technician Travel Assignments	22	5%
Travel Radiology Technologist	18	4%
Mammography Technologist	14	3%
Radiology Technician	11	3%
Radiologic Technologist, In	10	2%
Radiology Technologist, In	8	2%

## Employers

Exhibit 6 shows the top 10 employers with the most job postings for the selected occupations. Twenty-four percent (n = 100) of job postings did not include an employer.

### Exhibit 6. Employers with the most job postings

Employer	Job Postings	Share of Job Postings
Dignity Health	79	19%
Allied Travel - Health/Healthcare	55	13%
Sutter Health	49	12%
University of California (includes UCD and UCD Health)	36	8%
Radnet	14	3%
Humana	6	1%
Shriners Hospitals For Children	5	1%
Mercy Hospital	5	1%
Medely	5	1%
Select Medical	4	1%

## Certifications, Skills, and Experience

Exhibit 7 shows the most relevant certifications requested by employers for the selected occupations. Eighteen percent (n = 75) of job postings did not include certification requirements.

### Exhibit 7. Most in-demand certifications

Certification	Job Postings	Share of Job Postings
American Registry of Radiologic Technologists (ARRT) Certification	235	55%
Basic Cardiac Life Support Certification	99	23%
Basic Life Saving (BLS)	87	21%



Certification	Job Postings	Share of Job Postings
First Aid/CPR/AED	74	17%
Certified Radiology Technician	61	14%
American Heart Association Certification	19	4%
Advanced Cardiac Life Support (ACLS) Certification	18	4%
Health Service	10	2%
California State License	8	2%

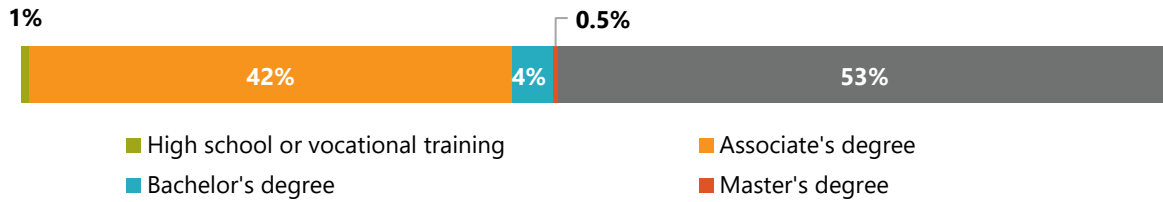
Exhibit 8 shows the specialized skills most requested by employers for the selected occupations.

**Exhibit 8. Most in-demand specialized skills**

Specialized Skill	Job Postings	Share of Job Postings
Radiology	288	68%
Radiologic Technology	199	47%
X-Rays	191	45%
Patient Care	138	33%
Cardiopulmonary Resuscitation (CPR)	124	29%
Anatomy	96	23%
Ultrasound	92	22%
Physiology	85	20%
Diagnostic Imaging	81	19%
Mammography	64	15%

Exhibit 9 shows the minimum level of education required by employers for job postings for the selected occupations. Fifty-four percent of job postings did not include a preferred education level.

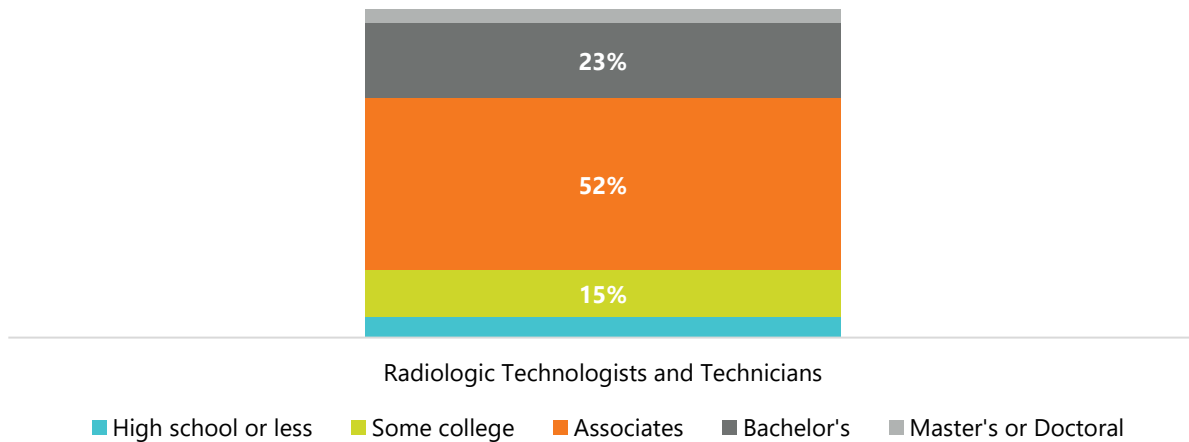
**Exhibit 9. Employer-preferred minimum education levels**



## EDUCATION AND TRAINING

The U.S. Census Bureau and Bureau of Labor Statistics collected data on education achieved by workers employed in occupations. Exhibit 10 shows the national-level educational attainment of the current workforce in the selected occupations.

**Exhibit 10. National worker educational attainment for selected occupations, 2019**



The Bureau of Labor Statistics (BLS) uses a system to assign categories for entry-level education, work experience in a related occupation, and typical on-the-job training on each occupation for which the BLS publishes projections data. Exhibit 11 shows the entry-level job requirements for the selected occupations. Occupations marked with asterisks are considered middle-skilled (\*) or high-skilled (\*\*).

**Exhibit 11. Typical education, work experience, and on-the-job training requirements**

Occupation	Typical Entry-level Education	Work Experience Required	On-the-job Training Required
Radiologic Technologists and Technicians*	Associate's Degree	None	None

**State Licensing Requirements**

California requires that individuals hold a state license before working as radiologic technologists or technicians. The licensing agency that oversees state licensure for this occupation is the California Department of Health - Radiologic Health Branch (CDPH-RHB).<sup>2</sup>

To obtain a state license, individuals must complete an educational program approved by the CDPH-RHB and pass a California State examination, or national examination, for certification.

**Certified Radiologic Technologist Certificates and Permits**

The CDPH-RHB issues several Certified Radiologic Technologist (CRT) certificates and permits (Exhibit 12). Students interested in becoming radiologic technologists must first obtain a two-year degree from a CDPH-RHB approved radiologic technology school. After receiving a degree, students can take the California State examination, administered by ARRT, for a diagnostic or therapeutic radiologic technologist certificate. Those who obtain state certification may also apply for additional credentials, such as the mammographic certificate or the fluoroscopy permit.

**Exhibit 12. State of California Certified Radiologic Technologist (CRT) certificates<sup>3</sup>**

License	Primary or Secondary
Diagnostic Radiologic Technologist certificate	Primary
Therapeutic Radiologic Technologist certificate	Primary/Secondary
Mammographic Radiologic Technologist certificate	Secondary
Radiologic Technologist Fluoroscopy permit	Secondary

**Certified Radiologic Technician Permits**

Radiologic technicians typically complete a shorter educational program than radiologic technologists. CDPH-RHB approved technician programs issue diplomas or certificates and

<sup>2</sup> <https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/RHB.aspx>

<sup>3</sup> <https://www.labormarketinfo.edd.ca.gov/OccGuides/LicenseDetail.aspx?LicId=297>

prepare students to take one of two California State examinations, administered by ARRT, for an X-ray Technician Limited Permit or an X-ray Technician Bone Densitometry Permit (Exhibit 13). These permits allow radiologic technicians to x-ray a limited range of body parts, such as extremities and the skull. Specific procedures may require radiologic technicians to obtain additional training and to apply for other permits.

**Exhibit 13. State of California Certified Radiologic Technician Permits<sup>4</sup>**

Technician Permits	Primary or Secondary
X-ray Technician Limited Permit	Primary
X-ray Technician Bone Densitometry	Primary

**American Registry of Radiologic Technologists (ARRT)**

Although the American Registry of Radiologic Technologists (ARRT) administers the examinations for California's State licensing of radiologic technologists and technicians, the organization issues voluntary certifications and professional registration. Please note that testing for ARRT certification and registration are not included in the California State radiologic technologist and technician license.

ARRT offers industry-recognized credentials in 13 pathways, including:<sup>5</sup>

- Bone Densitometry
- Breast Sonography
- Cardiac Interventional Radiography
- Computed Tomography (CT)
- Magnetic Resonance Imaging (MRI)
- Mammography
- Nuclear Medicine Technology
- Radiation Therapy
- Radiography
- Registered Radiologist Assistant (R.R.A.)
- Sonography
- Vascular Interventional Radiography
- Vascular Sonography

For additional information on State examinations and ARRT, please visit the following websites:

- [California Radiologic License, Certificate, and Permit Website](#)
- [2021 California Radiologic Technologist and Technician Examination Handbook](#)

<sup>4</sup> Ibid.

<sup>5</sup> <https://www.arrt.org/pages/earn-arrt-credentials/credential-options>

- [American Registry of Radiologic Technologists website](#)

## EDUCATIONAL SUPPLY

Educational supply for an occupation can be estimated by analyzing the number of awards issued in related Taxonomy of Programs (TOP) or Classification of Instructional Programs (CIP) codes. Exhibit 12 shows the TOP and CIP codes for educational programs related to the selected occupations.

### Exhibit 12. TOP and CIP codes for training programs related to the selected occupations

TOP Programs and Codes	Aligned CIP Programs and Codes
Radiologic Technology (1225.00)	Radiologic Technology/Science - Radiographer (51.0911)

### Community College Supply

Exhibits 13 through 15 compare the average number of certificates and degrees conferred in selected community college programs over the last three academic years.

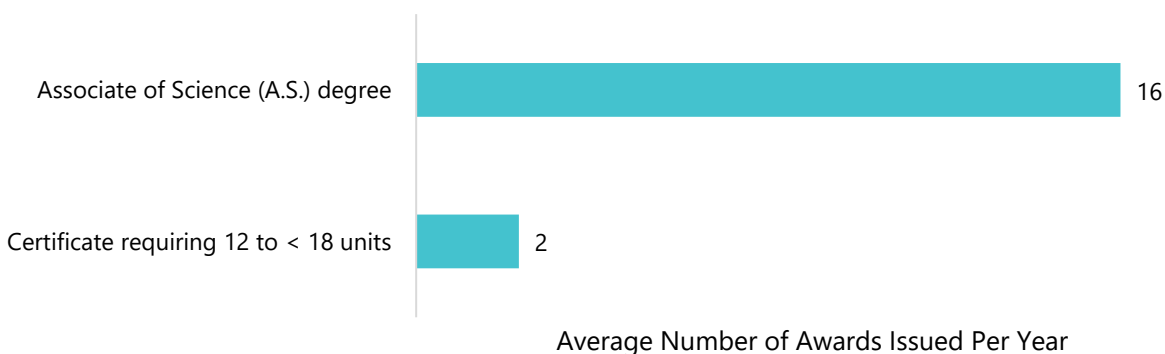
### Exhibit 13. North (Greater Sacramento) Community College programs and awards offered, As of June 1, 2021

TOP Code	College	Program Title	Awards Offered
Radiologic Technology (1225.00)	Folsom Lake	Computed Tomography	Certificate
		Magnetic Resonance Imaging	Certificate
		Vascular-Interventional Radiography	Certificate
	Yuba	Radiologic Technology	A.S. Degree

**Exhibit 14. Annual average community college awards by program, 2017-18 through 2019-20**

Program - TOP Code	College	Annual Awards 2017-18	Annual Awards 2018-19	Annual Awards 2019-20	3-Yr Annual Awards Average
Radiologic Technology (1225.00)	Folsom Lake	0	7	0	2
	Yuba	17	16	15	16
	<b>Subtotal</b>	<b>17</b>	<b>23</b>	<b>15</b>	<b>18</b>
	<b>Grand Total</b>	<b>17</b>	<b>23</b>	<b>15</b>	<b>18</b>

**Exhibit 15. Annual average community college awards by type, 2017-18 through 2019-20**



### Other Postsecondary Supply

One other postsecondary training provider for radiologic technology in the North (Greater Sacramento) subregion is Gurnick Academy of Medical Arts - Sacramento. However, disaggregated awards data is not available for the Sacramento campus.

Please see Appendix B for a list of state-approved radiologic technology programs in Greater Sacramento and adjacent service areas (i.e., Bay Area and Central Valley).

## FINDINGS

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- The North (Greater Sacramento) region held about 1,200 radiologic technologist and technician jobs in 2019.
- North (Greater Sacramento) radiologic technologist and technician jobs are projected to increase by 9% over the next five years, adding more than 100 new jobs to the subregion by 2024.
- Over the next five years, radiologic technologist and technician occupations are projected to have 82 annual openings in the North (Greater Sacramento) region.
- Wage data shows that radiologic technologists and technicians typically earn entry-level hourly wages above the subregion's living wage of \$13.18. Entry-level wages for radiologic technologists and technicians start around \$37 per hour.
- According to real-time labor market information, there were about 438 online job postings for radiologic technologists and technicians between June 1, 2020, and May 31, 2021. Nearly 90% of online job postings were for radiologic technologists.
- To estimate demand for specific radiologic technology licenses, the NFN COE mapped job titles to certificates by reviewing each job posting. Appendix B summarizes the findings of this mapping. Just over 40% of job postings required the initial or general diagnostic radiologic technologist certificate. The remaining 60% of job postings required an additional certification, including mammography (21%), interventional (14%), and x-ray, computed tomography (CT), or a combination of x-ray and CT (15%).
- Third-party ARRT credentialing, though voluntary, seem to be industry-validated and employer preferred. Nearly 55% of job postings requested candidates hold an ARRT certification. ARRT offers industry-recognized credentials in 15 pathways.
- In 2019, 67% of incumbent radiologic technologists and technicians had an education level consistent with community college offerings (some college or an associate degree). Another 23% of incumbent workers in this occupation held a bachelor's degree.
- California requires that individuals hold a state license before working as radiologic technologists or technicians. The licensing agency that oversees state licensure for this occupation is the California Department of Health - Radiologic Health Branch (CDPH-RHB).
- Two Community Colleges in the North (Greater Sacramento) subregion offer degrees and certificates in radiologic technology programs: Folsom Lake and Yuba College.
- Yuba College's radiologic technology program prepares students to earn a primary certification in radiologic technology.

- Folsom Lake offers additional training for licensed radiologic technologists in computed tomography (CT), magnetic resonance imaging (MRI), and vascular intervention radiography (VIR).
- Analysis of awards data shows that North (Greater Sacramento) Community Colleges conferred an annual average of 18 awards (certificates and associate degrees) in radiologic technology programs over the last three academic years, from 2017-2018 through 2019-2020.

## RECOMMENDATIONS

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- Based on a three-year average of annual awards in North (Greater Sacramento) subregion radiologic technology programs and projected yearly openings, the supply gap analysis shows that the region seems to have room for new training programs at the middle-skill level.
  - Community college programs issued an average of 18 awards over the last three years. There are 82 projected annual openings for radiologic technologists and technicians.
- Analysis of job postings shows local demand for specialty certifications for radiologic technologists and technicians, including mammography, interventional, x-ray, and computed tomography.
- The North/Far North Center of Excellence recommends moving forward with the program.

COE Recommendation		
<b>Move forward with the program</b>	<b>Proceed with caution</b>	<b>Program is not recommended</b>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



# APPENDIX A. METHODOLOGY AND SOURCES

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Occupations in this report were identified using the Center of Excellence TOP-to-CIP-to-SOC crosswalk and O\*Net OnLine. In addition, this report's findings were determined using labor market data from the Bureau of Labor Statistics (BLS), U.S. Census Bureau data from Emsi, and jobs posting data from Burning Glass.

Cal-PASS Plus LaunchBoard. California Community Colleges Chancellor's Office.

<https://www.calpassplus.org/LaunchBoard/Home.aspx>.

Emsi. <https://www.economicmodeling.com/>. EMSI occupational employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors).

Educational Attainment for Workers 25 Years and Older by Detailed Occupation, 2016-2017.

Bureau of Labor Statistics. <https://www.bls.gov/emp/tables/educational-attainment.htm#>.

Integrated Postsecondary Education Data System (IPEDS). National Center for Education Statistics. U.S. Department of Education. <https://nces.ed.gov/ipeds/>.

"Labor Insight Real-Time Labor Market Information Tool." Burning Glass Technologies.

<http://www.burning-glass.com>.

Labor Market Information Division. California Employment Development Department.

<https://labormarketinfo.edd.ca.gov/>.

Management Information Systems (MIS) Data Mart. California Community Colleges Chancellor's Office. <https://datamart.cccco.edu/>.

Occupational Employment Statistics (OES). Bureau of Labor Statistics.

<https://www.bls.gov/oes/home.htm>.

O\*NET OnLine. U.S. Department of Labor/Employment and Training Administration (DOL ETA).

<https://www.onetonline.org/>.

Self-Sufficiency Standard Tool for California. The University of Washington.

<http://www.selfsufficiencystandard.org/>.

"Taxonomy of Programs." California Community Colleges Chancellor's Office. June 2012, 6<sup>th</sup>

Edition. <https://www.cccco.edu/-/media/CCCCO-Website/About-Us/Divisions/Educational-Services-and-Support/Academic-Affairs/What-we-do/Curriculum-and-Instruction-Unit/Files/TOPmanual6200909corrected12513pdf.ashx>.

"TOP-CIP-SOC Crosswalk." Centers of Excellence for Labor Market Research. November 2015

Edition. <http://coecc.net/>.

## APPENDIX B. JOB TITLE & CERTIFICATION ANALYSIS

To estimate the level of demand for specific types of radiologic licenses and certificates, the NFN COE analyzed all 424 job postings to identify the primary license desired by employers. Exhibit B summarizes the certifications required for all radiologic technologist and technician job postings. Please note that this is not an exact count and is intended to estimate current radiologic technology certification demand. Many job postings either did not specify a specialty license/certification - these were counted as "General." Other job postings listed more than one certification - in these instances, only the first certification listed in the job posting was counted. Seven job postings were excluded from this analysis due to a lack of information in the job posting.

**Exhibit B. Estimate of Demand for Radiologic Technology Licenses and Certifications, June 1, 2020, through May 31, 2021**

Certification	Job Postings	Share
General	178	43%
Mammography	87	21%
Interventional	60	14%
X-Ray	41	10%
CT/X-Ray	14	3%
Radiation	10	2%
CT	8	2%
Fluoroscopy	8	2%
Sonography	7	2%
MRI	2	0.5%
PACS	2	0.5%
<b>Totals</b>	<b>417</b>	<b>100%</b>

# APPENDIX C. STATE-APPROVED RADIOLOGIC TECHNOLOGY PROGRAMS

Exhibit C details radiologic technology schools in North (Greater Sacramento), the Bay Area, and Central Valley. All programs listed here are approved by the California Department of Public Health - Radiology Health Board.

CDPH-RHB Approved School	Directory Information	Programs and Awards Offered
<b>North (Greater Sacramento) Programs</b>		
Folsom Lake College	10 College Parkway, Folsom, CA 95630 916-608-6927 <a href="https://flc.losrios.edu/academics/programs-and-majors/imaging">https://flc.losrios.edu/academics/programs-and-majors/imaging</a>	<ul style="list-style-type: none"> <li>• Computed Tomography (Cert)</li> <li>• Magnetic Resonance Imaging (Cert)</li> <li>• Vascular Interventional Radiography (Cert)</li> </ul>
Gurnick Academy of Medical Arts - Sacramento	8810 Cal Center Drive, 3 <sup>rd</sup> Floor Sacramento, CA 95826 916-588-2060 <a href="https://www.gurnick.edu/">https://www.gurnick.edu/</a>	<ul style="list-style-type: none"> <li>• Limited X-Ray Tech w/ Medical Assistant Skills (Diploma)</li> <li>• Ultrasound Technology (Associate of Occupational Science)</li> <li>• Magnetic Resonance Imaging (A.S.)</li> <li>• Radiologic Technology (A.S.)</li> </ul>
Yuba College	208 North Beale Road Marysville, CA 95901 530-741-6700 <a href="https://yc.yccd.edu/radtech/">https://yc.yccd.edu/radtech/</a>	<ul style="list-style-type: none"> <li>• Radiologic Technology (A.S.)</li> </ul>
<b>Bay Area and Central Valley Programs</b>		
Cabrillo College	6500 Soquel Drive, Aptos, CA 95003 831-479-6100 <a href="https://www.cabrillo.edu/radiologic-technology/">https://www.cabrillo.edu/radiologic-technology/</a>	<ul style="list-style-type: none"> <li>• Radiologic Technology (A.S.)</li> <li>• Magnetic Resonance Imaging (Cert)</li> <li>• Limited Permit X-Ray (Cert)</li> <li>• Computed Tomography (Cert)</li> </ul>

CDPH-RHB Approved School	Directory Information	Programs and Awards Offered
Cañada College	4200 Farm Hill Blvd., Redwood City, CA <a href="https://canadacollege.edu/radtech/">https://canadacollege.edu/radtech/</a>	<ul style="list-style-type: none"> <li>Radiologic Technology (A.S.)</li> </ul>
City College of San Francisco	50 Frida Kahlo Way, San Francisco, CA 94112 415-239-3431 <a href="https://www.ccsf.edu/academics/schools/allied-health-physical-education-social-services/radiologic-sciences-department">https://www.ccsf.edu/academics/schools/allied-health-physical-education-social-services/radiologic-sciences-department</a>	<ul style="list-style-type: none"> <li>Diagnostic Medical Imaging (A.S.)</li> </ul>
Fresno City College	1101 East University Ave., Fresno, CA 93741 559-442-8200 <a href="https://www.fresnocitycollege.edu/academics/divisions/apa-division/radiologic-technology/index.html">https://www.fresnocitycollege.edu/academics/divisions/apa-division/radiologic-technology/index.html</a>	<ul style="list-style-type: none"> <li>Radiologic Technology (A.S.)</li> </ul>
Gurnick Academy of Medical Arts	Multiple Campuses in: <ul style="list-style-type: none"> <li>Concord</li> <li>Fresno</li> <li>Modesto</li> <li>San Mateo</li> <li>Southern California</li> </ul> <a href="https://www.gurnick.edu/">https://www.gurnick.edu/</a>	<ul style="list-style-type: none"> <li>Limited X-Ray Tech w/ Medical Assistant Skills (Diploma)</li> <li>Ultrasound Technology (Associate of Occupational Science)</li> <li>Magnetic Resonance Imaging (A.S.)</li> <li>Radiologic Technology (A.S.)</li> <li>Plus others (not offered at Sac campus)</li> </ul>
Kaiser Permanente School of Allied Health Sciences	938 Marina Way South, Richmond, CA 94804 510-231-5000 <a href="https://www.kpsahs.edu/">https://www.kpsahs.edu/</a>	<ul style="list-style-type: none"> <li>Radiologic Technology (B.S.)</li> <li>Diagnostic Medical Sonography (B.S.)</li> <li>Diagnostic Medical Sonography - Cardiac concentration (B.S.)</li> </ul>

CDPH-RHB Approved School	Directory Information	Programs and Awards Offered
		<ul style="list-style-type: none"> <li>Nuclear Medicine (B.S.)</li> <li>Mammography</li> </ul>
Merced College	3600 M Street, Merced, CA 95348 209-384-6000 <a href="https://www.mccd.edu/academic/alliedhealth/diag-rad/">https://www.mccd.edu/academic/alliedhealth/diag-rad/</a>	<ul style="list-style-type: none"> <li>Diagnostic Rad Tech (A.S.)</li> <li>Diagnostic Rad Tech (Cert)</li> </ul>
Merritt College	12500 Campus Drive, Oakland, CA 94619 510-531-4911 <a href="https://www.merritt.edu/radsc/">https://www.merritt.edu/radsc/</a>	<ul style="list-style-type: none"> <li>Radiologic Science (Cert)</li> <li>Radiologic Science (A.S.)</li> </ul>
San Joaquin Delta College	San Joaquin General Hospital, School of Radiologic Technology 209-468-6236 <a href="https://www.deltacollege.edu/program/radiologic-technology">https://www.deltacollege.edu/program/radiologic-technology</a>	<ul style="list-style-type: none"> <li>Radiologic Technology (Cert)</li> </ul>
Santa Rosa Junior College	1501 Mendocino Ave., Santa Rosa, CA 95401 707-527-4011 <a href="https://radtech.santarosa.edu/">https://radtech.santarosa.edu/</a>	<ul style="list-style-type: none"> <li>Radiologic Technology (A.S.)</li> <li>Radiologic Technology (Cert)</li> </ul>
Specialized Community College Programs		
Mammography	<ul style="list-style-type: none"> <li>Mt. San Antonio College</li> <li>Fresno City</li> <li>Santa Rosa Junior College</li> <li>Foothill College</li> <li>Cabrillo College</li> </ul>	
MRI	<ul style="list-style-type: none"> <li>Cabrillo</li> <li>Folsom Lake</li> </ul>	
Limited Permit X-Ray	<ul style="list-style-type: none"> <li>Cabrillo</li> <li>Santa Barbara City</li> </ul>	

CDPH-RHB Approved School	Directory Information	Programs and Awards Offered
CT	<ul style="list-style-type: none"> <li>• Cabrillo</li> <li>• Folsom Lake</li> </ul>	
Imaging Technologist Assistant	<ul style="list-style-type: none"> <li>• Cypress</li> </ul>	
Vascular-Interventional	<ul style="list-style-type: none"> <li>• Folsom Lake</li> </ul>	
Nuclear Medicine	<ul style="list-style-type: none"> <li>• Moorpark</li> </ul>	

**COVID-19 Statement:** This report includes employment projection data by EMSI. 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 or potential output. To the extent that a recession or labor shock, such as the economic effects of COVID-19, can cause long-term structural change, they 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. Other measures such as unemployment rates and monthly industry employment estimates will reflect the most recent information on employment and jobs in the state and, in combination with input from local employers, may help validate current and future employment needs as depicted here.

**Important Disclaimer:** All representations included in this report have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. Efforts have been made to qualify and validate the accuracy of the data and the reported findings; however, neither the Centers of Excellence, COE host District, nor California Community Colleges Chancellor's Office are responsible for applications or decisions made by recipient community colleges or their representatives based upon components or recommendations contained in this study.

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Centers of Excellence for Labor Market Research, Economic and  
Workforce Development Program



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