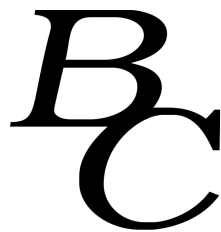


Occupation Overview

Emsi Q3 2017 Data Set

November 2017

Bakersfield College



Bakersfield
COLLEGE



1801 Panorama Drive
Bakersfield, California 93305
661.395.4921

Parameters

Occupations

Code	Description
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers

Regions

Code	Description
6029	Kern County, CA

Timeframe

2017 - 2025

Datarun

2017.3 - Employees

Heating, Air Conditioning, and Refrigeration Mechanics and Installers in Kern County, CA

Heating, Air Conditioning, and Refrigeration Mechanics and Installers (SOC 49-9021):

Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.

Sample of Reported Job Titles:

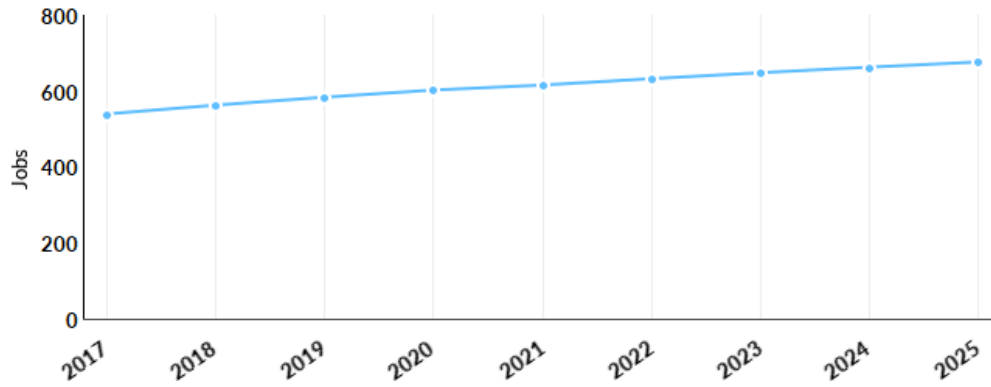
Refrigeration Mechanic
Systems Mechanic
Service Technician
Maintenance Mechanic
HVAC-R Tech (Heating, Ventilation, Air Conditioning and Refrigeration Technician)
Refrigeration Technician
VRT Mechanic (Variable Retention Time Mechanic)
Transportation Refrigeration Technician
Technician
Related O*NET Occupations:
Heating and Air Conditioning Mechanics and Installers (49-9021.01)
Refrigeration Mechanics and Installers (49-9021.02)

Occupation Summary for Heating, Air Conditioning, and Refrigeration Mechanics and Installers

512 Jobs (2016) 23% below National average	+25.4% % Change (2017-2025) Nation: +12.0%	\$26.47/hr Median Hourly Earnings Nation: \$22.07/hr
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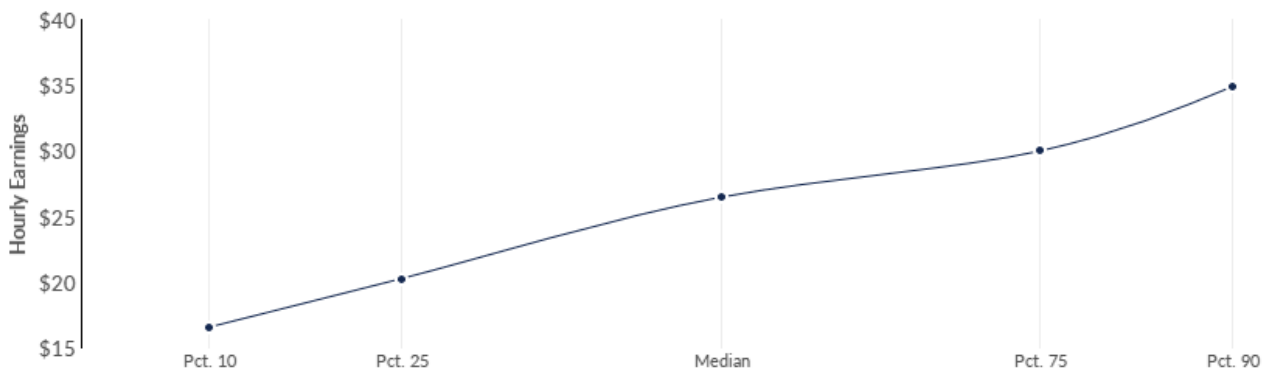
Growth for Heating, Air Conditioning, and Refrigeration Mechanics and Installers (49-9021)

539 2017 Jobs	676 2025 Jobs	137 Change (2017-2025)	25.4% % Change (2017-2025)
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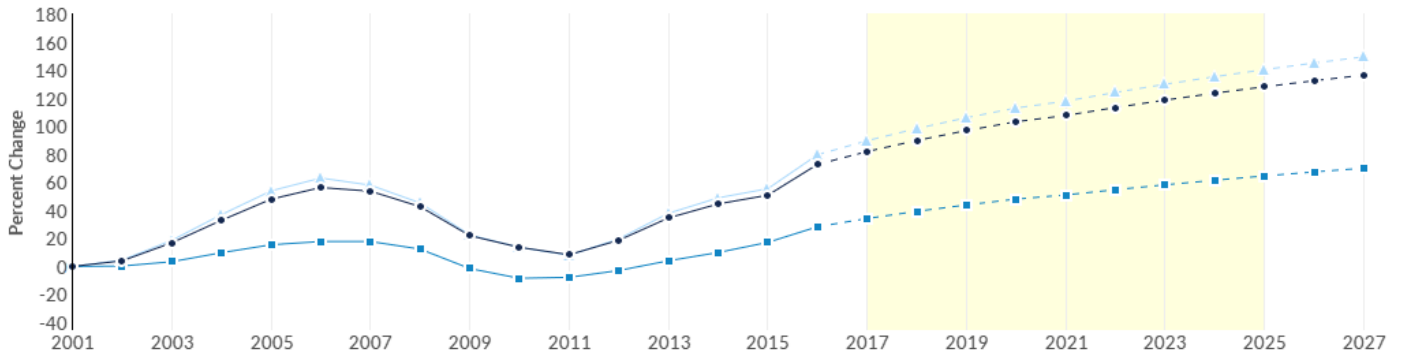


Percentile Earnings for Heating, Air Conditioning, and Refrigeration Mechanics and Installers (49-9021)

\$20.26/hr 25th Percentile Earnings	\$26.47/hr Median Earnings	\$30.00/hr 75th Percentile Earnings
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Regional Trends



Region	2017 Jobs	2025 Jobs	Change	% Change
● Region	539	676	137	25.4%
■ California	28,526	34,975	6,449	22.6%
▲ BC Service Area DEMOGRAPHIC	447	567	120	26.8%

Regional Breakdown



* Highlighted areas show counties that contain the selected zip codes

ZIP	2025 Jobs
Bakersfield, CA 93308 (in Kern county)	191
Bakersfield, CA 93307 (in Kern county)	98
Bakersfield, CA 93312 (in Kern county)	65
Bakersfield, CA 93305 (in Kern county)	63
Bakersfield, CA 93301 (in Kern county)	35

Job Postings Summary

132

Unique Postings (Jan 2017 - Oct 2017)
908 Total Postings

7 : 1

Posting Intensity (Jan 2017 - Oct 2017)



There were 908 total job postings for your selection from January 2017 to October 2017, of which 132 were unique. These numbers give us a Posting Intensity of 7-to-1, meaning that for every 7 postings there is 1 unique job posting.

This is close to the Posting Intensity for all other occupations and companies in the region (6-to-1), indicating that they are putting average effort toward hiring for this position.

Job Postings vs. Hires

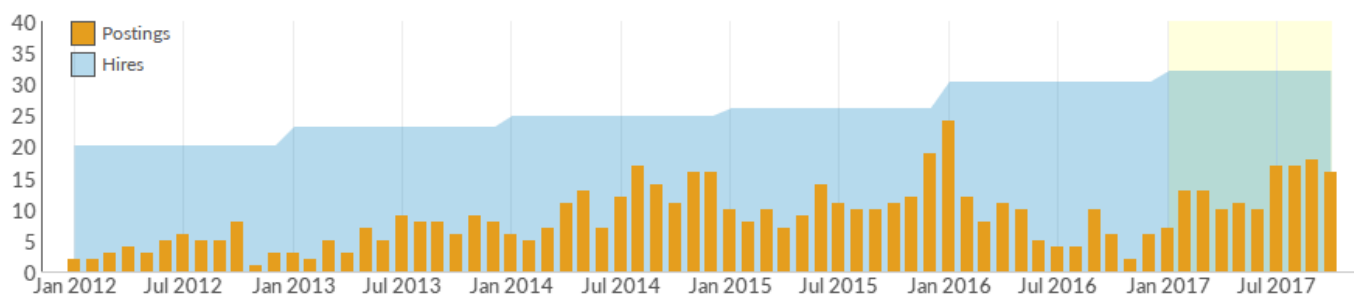
13

Avg. Monthly Postings (Jan 2017 - Oct 2017)

32

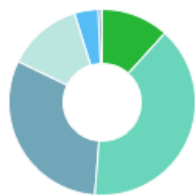
Avg. Monthly Hires (Jan 2017 - Oct 2017)

In an average month, there were 13 unique job postings for *Heating, Air Conditioning, and Refrigeration Mechanics and Installers*, and 32 actually hired. This means there were approximately 2 hires for *Heating, Air Conditioning, and Refrigeration Mechanics and Installers* for every 1 unique job posting.



Occupation	Avg Monthly Postings (Jan 2017 - Oct 2017)	Avg Monthly Hires (Jan 2017 - Oct 2017)
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	13	32

National Educational Attainment



Education Level	2016 Percent
Less than high school diploma	11.7%
High school diploma or equivalent	39.5%
Some college, no degree	30.9%
Associate's degree	13.0%
Bachelor's degree	4.1%
Master's degree	0.5%
Doctoral or professional degree	0.2%

Occupation Gender Breakdown



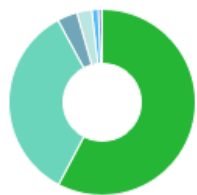
Gender	2016 Jobs	2016 Percent
Males	503	98.4%
Females	8	1.6%

Occupation Age Breakdown



Age	2016 Jobs	2016 Percent
14-18	1	0.3%
19-24	49	9.7%
25-34	152	29.6%
35-44	135	26.4%
45-54	107	21.0%
55-64	56	11.0%
65+	11	2.1%

Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2016 Jobs	2016 Percent
White	295	57.7%
Hispanic or Latino	176	34.4%
Black or African American	18	3.5%
Asian	13	2.6%
Two or More Races	6	1.1%
American Indian or Alaska Native	3	0.5%
Native Hawaiian or Other Pacific Islander	1	0.2%

Occupational Programs

2 Programs (2016)	0 Completions (2016)	76 Openings (2016)
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CIP Code	Program	Completions (2016)
15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician	0
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	0

Industries Employing Heating, Air Conditioning, and Refrigeration Mechanics and Installers

Industry	Occupation Jobs in Industry (2016)	% of Occupation in Industry (2016)	% of Total Jobs in Industry (2016)
Plumbing, Heating, and Air-Conditioning Contractors	351	68.7%	18.9%
Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	15	3.0%	1.9%
Elementary and Secondary Schools (Local Government)	13	2.4%	0.1%
Facilities Support Services	12	2.3%	0.8%
Local Government, Excluding Education and Hospitals	11	2.1%	0.1%

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

Emsi occupation 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). Occupational wage estimates also affected by county-level Emsi earnings by industry.

CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

State Data Sources

This report uses state data from the following agencies: California Labor Market Information Department