

Chef Garde Manger/Sous Chef Apprentice Occupation Report



CIP 12.0505

Cochise, Pima, SC







Food Preparation/Professional Cooking/Kitchen Assistant

CIP 2010: A program that prepares individuals to serve under the supervision of chefs and other food service professionals as kitchen support staff and commercial food preparation workers. Includes instruction in kitchen organization and operations, sanitation and quality control, basic food preparation and cooking skills, kitchen and kitchen equipment maintenance, and quantity food measurement and monitoring.

Occupation Gender Breakdown 2016

	Gender	Jobs	Percent
●	Males	8,149	48.6% 
●	Females	8,616	51.4% 

Occupation Age Breakdown 2016

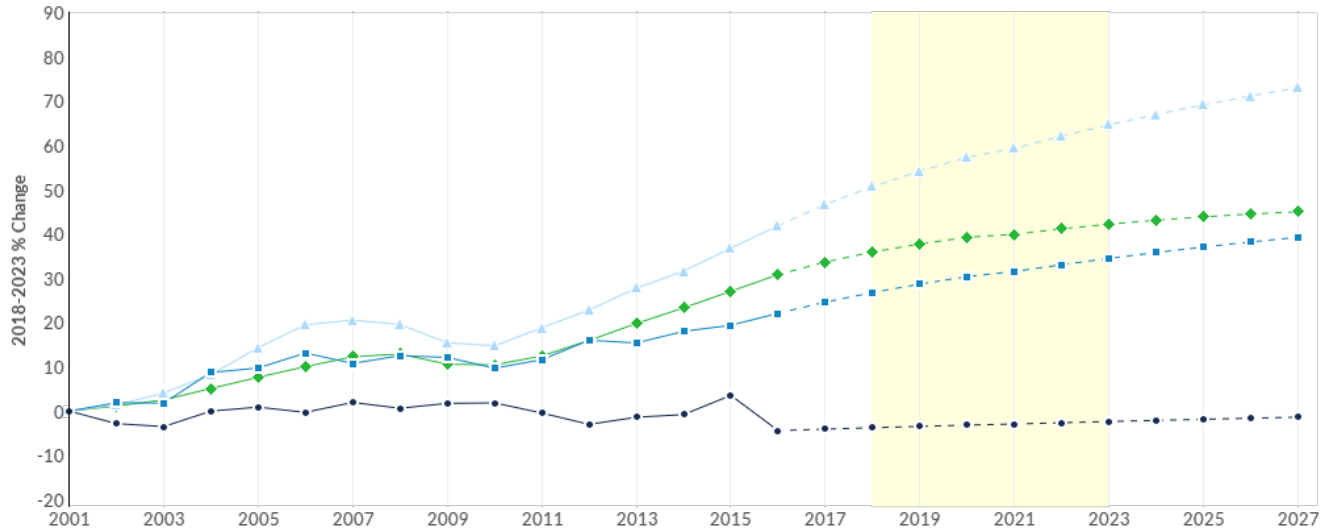
	Age	Jobs	Percent
●	14-18	1,448	8.6% 
●	19-24	4,080	24.3% 
●	25-34	3,924	23.4% 
●	35-44	2,681	16.0% 
●	45-54	2,265	13.5% 
●	55-64	1,553	9.3% 
●	65+	814	4.9% 

Occupation Summary for 12.0505

16,764 Jobs (2016) 6% below National average	6.1% % Change (2018-2023) Nation: 4.6%	\$9.26/hr Median Hourly Earnings Nation: \$9.66/hr
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Occupation Change Summary



	Region	2018 Jobs	2023 Jobs	Change	% Change	Median Hourly Earnings
●	Cochise County, AZ	1,568	1,591	23	1%	\$9.24
●	Cochise, Pima, SC	17,408	18,468	1,060	6%	\$9.26
●	Arizona (AZ)	117,907	128,819	10,912	9%	\$9.30
●	United States	6,241,659	6,530,357	288,698	5%	\$9.66

SOC	Description	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
35-2011	Cooks, Fast Food	No formal educational credential	None	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	No formal educational credential	None	Short-term on-the-job training
35-2013	Cooks, Private Household	Postsecondary non-degree award	Less than 5 years	None
35-2015	Cooks, Short Order	No formal educational credential	None	Short-term on-the-job training
35-2021	Food Preparation Workers	No formal educational credential	None	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	No formal educational credential	None	Short-term on-the-job training
35-9021	Dishwashers	No formal educational credential	None	Short-term on-the-job training

Occupation Breakdown - 2018 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	906	10,618	69,813	3,632,259
35-2011	Cooks, Fast Food	249	2,519	17,993	530,228
35-2021	Food Preparation Workers	162	1,640	12,558	913,410
35-9021	Dishwashers	132	1,549	9,962	524,142
35-2012	Cooks, Institution and Cafeteria	88	896	5,847	447,669
35-2015	Cooks, Short Order	31	183	1,718	192,386
35-2013	Cooks, Private Household	<10	<10	16	1,564
	Total	1,568	17,408	117,907	6,241,659

Occupation Breakdown - 2023 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	946	11,505	78,355	3,871,584
35-2011	Cooks, Fast Food	232	2,434	17,781	511,101
35-2021	Food Preparation Workers	165	1,790	13,935	959,273
35-9021	Dishwashers	126	1,579	10,346	527,486
35-2012	Cooks, Institution and Cafeteria	91	957	6,511	466,840
35-2015	Cooks, Short Order	30	199	1,874	192,643
35-2013	Cooks, Private Household	<10	<10	16	1,430
	Total	1,591	18,468	128,819	6,530,357

Occupation Breakdown - Change

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	40	887	8,542	239,325
35-2021	Food Preparation Workers	3	150	1,377	45,863
35-2012	Cooks, Institution and Cafeteria	3	61	664	19,171
35-2013	Cooks, Private Household	--	--	0	-134
35-2015	Cooks, Short Order	-1	16	156	257
35-9021	Dishwashers	-6	30	384	3,344
35-2011	Cooks, Fast Food	-17	-85	-212	-19,127
	Total	23	1,060	10,912	288,698

Occupation Breakdown - Median Hourly Earnings

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
35-2013	Cooks, Private Household	--	--	\$15.91	\$15.42
35-2012	Cooks, Institution and Cafeteria	\$11.91	\$11.98	\$12.08	\$11.90
35-2015	Cooks, Short Order	\$11.48	\$11.15	\$10.80	\$10.48
35-2021	Food Preparation Workers	\$10.51	\$10.76	\$10.18	\$10.31
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$9.16	\$9.18	\$9.16	\$9.35
35-9021	Dishwashers	\$9.05	\$9.16	\$9.38	\$10.00
35-2011	Cooks, Fast Food	\$8.96	\$8.99	\$9.13	\$9.55
	Total	\$9.46	\$9.46	\$9.45	\$9.79








Top Industries – Change from 2018 - 2023

NAICS Code	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
722513	Limited-Service Restaurants	11	615	6,053	156,945
722310	Food Service Contractors	4	-86	280	11,794
903611	Elementary and Secondary Schools (Local Government)	1	-10	143	1,992
445110	Supermarkets and Other Grocery (except Convenience) Stores	-2	63	406	14,420
722511	Full-Service Restaurants	-13	30	321	1,676
	Total	1	612	7,202	186,828

Source: QCEW Employees, Non-QCEW Employees & Self-Employed - Emsi 2017.3 Class of Worker

National Educational Attainment








Combined Food Preparation and Serving Workers, Including Fast Food (35-3021)

Education Level	2016 Percent
Less than high school diploma	21.2% 
High school diploma or equivalent	43.9% 
Some college, no degree	23.0% 
Associate's degree	5.8% 
Bachelor's degree	5.0% 
Master's degree	0.8% 
Doctoral or professional degree	0.3% 

* National Educational Attainment – Settings

National Educational Attainment








Cooks, Fast Food (35-2011)

	Education Level	2016 Percent
●	Less than high school diploma	30.9% 
●	High school diploma or equivalent	40.3% 
●	Some college, no degree	18.2% 
●	Associate's degree	5.2% 
●	Bachelor's degree	4.6% 
●	Master's degree	0.6% 
●	Doctoral or professional degree	0.2% 

* National Educational Attainment – Settings

National Educational Attainment








Dishwashers (35-9021)

	Education Level	2016 Percent
●	Less than high school diploma	43.8% 
●	High school diploma or equivalent	39.0% 
●	Some college, no degree	11.1% 
●	Associate's degree	2.8% 
●	Bachelor's degree	3.0% 
●	Master's degree	0.4% 
●	Doctoral or professional degree	0.0% 

* National Educational Attainment – Settings








National Educational Attainment

Food Preparation Workers (35-2021)

	Education Level	2016 Percent
●	Less than high school diploma	28.5% 
●	High school diploma or equivalent	37.5% 
●	Some college, no degree	19.4% 
●	Associate's degree	5.3% 
●	Bachelor's degree	7.8% 
●	Master's degree	1.1% 
●	Doctoral or professional degree	0.3% 








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National Educational Attainment
 Cooks, Institution and Cafeteria (35-2012)

	Education Level	2016 Percent
●	Less than high school diploma	30.9% 
●	High school diploma or equivalent	40.3% 
●	Some college, no degree	18.2% 
●	Associate's degree	5.2% 
●	Bachelor's degree	4.6% 
●	Master's degree	0.6% 
●	Doctoral or professional degree	0.2% 







* National Educational Attainment – Settings

National Educational Attainment
 Cooks, Short Order (35-2015)

	Education Level	2016 Percent
●	Less than high school diploma	30.9% 
●	High school diploma or equivalent	40.3% 
●	Some college, no degree	18.2% 
●	Associate's degree	5.2% 
●	Bachelor's degree	4.6% 
●	Master's degree	0.6% 
●	Doctoral or professional degree	0.2% 

* National Educational Attainment – Settings

National Educational Attainment
 Cooks, Private Household (35-2013)

	Education Level	2016 Percent
●	Less than high school diploma	30.9% 
●	High school diploma or equivalent	40.3% 
●	Some college, no degree	18.2% 
●	Associate's degree	5.2% 
●	Bachelor's degree	4.6% 
●	Master's degree	0.6% 

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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.

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.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics