

Administration of Justice Occupation Report

CIP 43.0107

Cochise, Pima, SC

Criminal Justice/Police Science

CIP 2010: A program that prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control and public relations, witness interviewing, evidence collection and management, basic crime prevention methods, weapon and equipment operation and maintenance, report preparation and other routine law enforcement responsibilities.

* Program Description – Settings

2016 Occupation Gender Breakdown

| Gender | Jobs | Percent |
|---------|-------|---------|
| Males | 4,209 | 80.1% |
| Females | 1,044 | 19.9% |

2016 Occupation Age Breakdown

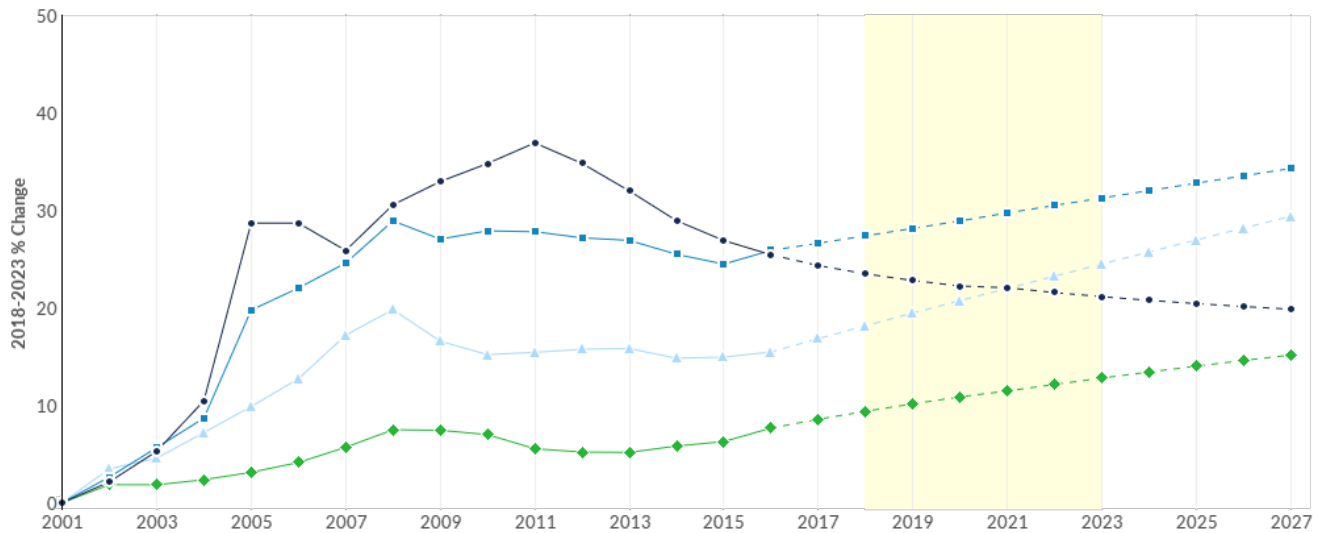
| Age | Jobs | Percent |
|-------|-------|---------|
| 14-18 | 3 | 0.1% |
| 19-24 | 155 | 2.9% |
| 25-34 | 1,301 | 24.8% |
| 35-44 | 1,853 | 35.3% |
| 45-54 | 1,192 | 22.7% |
| 55-64 | 633 | 12.0% |
| 65+ | 117 | 2.2% |

Occupation Summary for 43.0107

| | | |
|---|--|--|
| <p>5,253 Jobs (2016) 102% above National average</p> | <p>3.0% % Change (2018-2023) Nation: 3.1%</p> | <p>\$35.48/hr Median Hourly Earnings Nation: \$28.84/hr</p> |
|---|--|--|

October 10, 2017

Occupation Change Summary



| Region | 2018 Jobs | 2023 Jobs | Change | % Change | Median Hourly Earnings |
|----------------------|-----------|-----------|--------|----------|------------------------|
| ● Cochise County, AZ | 1,187 | 1,164 | -23 | -2% | \$37.41 |
| ● Cochise, Pima, SC | 5,316 | 5,477 | 161 | 3% | \$35.48 |
| ● Arizona (AZ) | 20,064 | 21,140 | 1,076 | 5% | \$33.21 |
| ● United States | 883,505 | 910,998 | 27,493 | 3% | \$28.84 |

| SOC | Description | Typical Entry Level Education | Work Experience Required | Typical On-The-Job Training |
|---------|---|-----------------------------------|--------------------------|-----------------------------------|
| 33-3011 | Bailiffs | High school diploma or equivalent | None | Moderate-term on-the-job training |
| 33-3021 | Detectives and Criminal Investigators | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training |
| 33-3051 | Police and Sheriff's Patrol Officers | High school diploma or equivalent | None | Moderate-term on-the-job training |
| 33-9021 | Private Detectives and Investigators | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training |
| 33-9031 | Gaming Surveillance Officers and Gaming Investigators | High school diploma or equivalent | None | Short-term on-the-job training |

Occupation Breakdown - 2018 Jobs

| Occupation | Description | Cochise County, AZ | Cochise, Pima, SC | Arizona (AZ) | United States |
|------------|---|--------------------|-------------------|--------------|---------------|
| 33-3021 | Detectives and Criminal Investigators | 977 | 2,962 | 6,370 | 110,851 |
| 33-3051 | Police and Sheriff's Patrol Officers | 202 | 2,215 | 12,546 | 705,554 |
| 33-9021 | Private Detectives and Investigators | <10 | 51 | 488 | 37,446 |
| 33-3011 | Bailiffs | <10 | 23 | 316 | 18,325 |
| 33-9031 | Gaming Surveillance Officers and Gaming Investigators | <10 | 65 | 345 | 11,329 |
| | Total | 1,187 | 5,316 | 20,064 | 883,505 |

Occupation Breakdown - 2023 Jobs

| Occupation | Description | Cochise County, AZ | Cochise, Pima, SC | Arizona (AZ) | United States |
|------------|---|--------------------|-------------------|--------------|---------------|
| 33-3021 | Detectives and Criminal Investigators | 951 | 3,000 | 6,491 | 112,232 |
| 33-3051 | Police and Sheriff's Patrol Officers | 206 | 2,334 | 13,444 | 730,379 |
| 33-9021 | Private Detectives and Investigators | <10 | 55 | 527 | 38,222 |
| 33-3011 | Bailiffs | <10 | 25 | 336 | 18,799 |
| 33-9031 | Gaming Surveillance Officers and Gaming Investigators | <10 | 63 | 343 | 11,365 |
| | Total | 1,164 | 5,477 | 21,140 | 910,998 |

Occupation Breakdown - Change

| Occupation | Description | Cochise County, AZ | Cochise, Pima, SC | Arizona (AZ) | United States |
|------------|---|--------------------|-------------------|--------------|---------------|
| 33-3011 | Bailiffs | -- | 0 | 9 | 226 |
| 33-3051 | Police and Sheriff's Patrol Officers | 0 | 36 | 412 | 15,553 |
| 33-9021 | Private Detectives and Investigators | -- | 7 | 46 | 1,595 |
| 33-9031 | Gaming Surveillance Officers and Gaming Investigators | -- | -3 | -11 | -46 |
| 33-3021 | Detectives and Criminal Investigators | -36 | 13 | 30 | 1,275 |
| | Total | -35 | 55 | 486 | 18,603 |

Occupation Breakdown - Median Hourly Earnings

| Occupation Description | Cochise County, AZ | Cochise, Pima, SC | Arizona (AZ) | United States |
|---|--------------------|-------------------|--------------|---------------|
| 33-3021 Detectives and Criminal Investigators | \$37.61 | \$37.67 | \$37.61 | \$37.56 |
| 33-9021 Private Detectives and Investigators | -- | \$15.88 | \$16.53 | \$21.80 |
| 33-3051 Police and Sheriff's Patrol Officers | \$24.11 | \$27.09 | \$31.25 | \$28.69 |
| 33-3011 Bailiffs | -- | \$17.49 | \$15.17 | \$20.52 |
| 33-9031 Gaming Surveillance Officers and Gaming Investigators | -- | \$16.20 | \$16.29 | \$15.69 |
| Total | \$35.28 | \$32.75 | \$32.44 | \$29.18 |

Top Industries – Change from 2018 - 2023

| NAICS Code | Description | Cochise County, AZ | Cochise, Pima, SC | Arizona (AZ) | United States |
|------------|---|--------------------|-------------------|--------------|---------------|
| 902999 | State Government, Excluding Education and Hospitals | 8 | 42 | 60 | 1,190 |
| 903999 | Local Government, Excluding Education and Hospitals | 1 | 94 | 894 | 22,477 |
| 611310 | Colleges, Universities, and Professional Schools | -- | -- | 16 | 1,575 |
| 903612 | Colleges, Universities, and Professional Schools (Local Government) | -- | 2 | 16 | 544 |
| 901199 | Federal Government, Civilian, Excluding Postal Service | -34 | -2 | -7 | -753 |
| Total | | -23 | 135 | 980 | 25,034 |

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

National Educational Attainment

Detectives and Criminal Investigators (33-3021)

| | Education Level | 2016 Percent |
|---|-----------------------------------|--------------|
| ● | Less than high school diploma | 0.4% |
| ● | High school diploma or equivalent | 7.2% ■ |
| ● | Some college, no degree | 22.9% ■■ |
| ● | Associate's degree | 12.3% ■ |
| ● | Bachelor's degree | 41.8% ■■■■ |
| ● | Master's degree | 13.1% ■ |
| ● | Doctoral or professional degree | 2.3% |

* National Educational Attainment – Settings

National Educational Attainment

Police and Sheriff's Patrol Officers (33-3051)

| | Education Level | 2016 Percent |
|---|-----------------------------------|--------------|
| ● | Less than high school diploma | 0.7% |
| ● | High school diploma or equivalent | 12.4% ■ |
| ● | Some college, no degree | 34.5% ■■■ |
| ● | Associate's degree | 17.2% ■■ |
| ● | Bachelor's degree | 29.6% ■■■ |
| ● | Master's degree | 5.0% ■ |
| ● | Doctoral or professional degree | 0.6% |

* National Educational Attainment - Settings

National Educational Attainment

Gaming Surveillance Officers and Gaming Investigators (33-9031)

| | Education Level | 2016 Percent |
|---|-----------------------------------|--------------|
| ● | Less than high school diploma | 6.5% ■ |
| ● | High school diploma or equivalent | 33.9% ■■■■ |
| ● | Some college, no degree | 31.7% ■■■■ |
| ● | Associate's degree | 11.0% ■ |
| ● | Bachelor's degree | 13.4% ■■ |
| ● | Master's degree | 2.8% |
| ● | Doctoral or professional degree | 0.6% |

* National Educational Attainment - Settings

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National Educational Attainment
Private Detectives and Investigators (33-9021)

| | Education Level | 2016 Percent |
|---|-----------------------------------|--------------|
| ● | Less than high school diploma | 0.9% |
| ● | High school diploma or equivalent | 10.0% ■ |
| ● | Some college, no degree | 22.2% ■■ |
| ● | Associate's degree | 9.9% ■ |
| ● | Bachelor's degree | 39.1% ■■■■ |
| ● | Master's degree | 14.5% ■■ |
| ● | Doctoral or professional degree | 3.4% |

* National Educational Attainment - Settings

National Educational Attainment
Bailiffs (33-3011)

| | Education Level | 2016 Percent |
|---|-----------------------------------|--------------|
| ● | Less than high school diploma | 1.0% |
| ● | High school diploma or equivalent | 31.2% ■■ |
| ● | Some college, no degree | 38.1% ■■■ |
| ● | Associate's degree | 14.3% ■■ |
| ● | Bachelor's degree | 13.0% ■■ |
| ● | Master's degree | 2.2% |
| ● | Doctoral or professional degree | 0.3% |

* National Educational Attainment - Settings

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