



Workforce Availability Report

Aerospace & Cybersecurity Occupations



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Aerospace Occupations

| Occupation SOC Code | Occupation Title | Empl, Place of Work 2022Q3 | Mean Wages, Annual | Location Quotient 2022Q3 | Empl, Ann % Change 2017Q3 to 2022Q3 | Empl, Ann % Change 2022Q3 to 2023Q3 | Total Demand 2022Q3 to 2023Q3 | Exits* 2022Q3 to 2023Q3 | Transfers** 2022Q3 to 2023Q3 |
|---------------------|--|----------------------------|--------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------|-------------------------|------------------------------|
| 13-1000 | Business Operations Specialists | 2,755 | \$70,900 | 0.89 | 5.70% | 0.70% | 276 | 85 | 172 |
| 13-1023 | Purchasing Agents, Except Wholesale, Retail, and Farm Products | 111 | \$60,600 | 0.77 | 1.80% | -0.60% | 11 | 3 | 8 |
| 15-1252 | Software Developers | 439 | \$110,300 | 0.55 | 16.00% | 1.60% | 38 | 8 | 22 |
| 17-2010 | Aerospace Engineers | 21 | \$123,300 | 0.83 | 2.10% | 0.90% | 1 | 0 | 1 |
| 17-2072 | Electronics Engineers, Except Computer | 45 | \$103,400 | 0.92 | -3.60% | 0.60% | 3 | 1 | 2 |
| 17-2112 | Industrial Engineers | 65 | \$91,200 | 0.47 | 3.10% | 0.90% | 5 | 2 | 3 |
| 17-2140 | Mechanical Engineers | 90 | \$86,400 | 0.68 | 1.90% | 0.20% | 6 | 2 | 4 |
| 17-3021 | Aerospace Engineering and Operations Technologists and Technicians | 2 | \$87,200 | 0.41 | 1.30% | 0.90% | 0 | 0 | 0 |
| 51-2092 | Team Assemblers | 298 | \$38,200 | 0.57 | 0.00% | -1.60% | 28 | 12 | 21 |
| 51-4040 | Machinists | 122 | \$50,600 | 0.78 | -0.10% | 0.50% | 14 | 5 | 8 |
| 51-9060 | Inspectors, Testers, Sorters, Samplers, and Weighers | 144 | \$47,400 | 0.55 | 1.50% | -1.40% | 15 | 6 | 11 |
| | Total | 4,092 | | | | | | | |

*Number of people leaving the workforce.

**Number of people switching jobs.

Wage Comparison in Aerospace Occupations

| Occupation Title | Mesa County | USA | Difference |
|--|-------------|-----------|------------|
| Business Operations Specialists | \$70,900 | \$84,500 | (\$13,600) |
| Purchasing Agents, Except Wholesale, Retail, and Farm Products | \$60,600 | \$75,400 | (\$14,800) |
| Software Developers | \$110,300 | \$125,600 | (\$15,300) |
| Aerospace Engineers | \$123,300 | \$128,600 | (\$5,300) |
| Electronics Engineers, Except Computer | \$103,400 | \$120,900 | (\$17,500) |
| Industrial Engineers | \$91,200 | \$100,400 | (\$9,200) |
| Mechanical Engineers | \$86,400 | \$101,900 | (\$15,500) |
| Aerospace Engineering and Operations Technologists and Technicians | \$87,200 | \$77,800 | \$9,400 |
| Team Assemblers | \$38,200 | \$40,500 | (\$2,300) |
| Machinists | \$50,600 | \$52,300 | (\$1,700) |
| Inspectors, Testers, Sorters, Samplers, and Weighers | \$47,400 | \$48,300 | (\$900) |

Cybersecurity Occupations

| Occupation SOC Code | Occupation Title | Empl, Place of Work 2022Q3 | Mean Wages, Annual | Location Quotient 2022Q3 | Empl, Ann % Change 2017Q3 to 2022Q3 | Empl, Ann % Change 2022Q3 to 2023Q3 | Total Demand 2022Q3 to 2023Q3 | Exits 2022Q3 to 2023Q3 | Transfers 2022Q3 to 2023Q3 |
|---------------------|---|----------------------------|--------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------|------------------------|----------------------------|
| 15-1211 | Computer Systems Analysts | 135 | \$94,000 | 0.56 | 0.7% | 0.3% | 10 | 3 | 6 |
| 15-1212 | Information Security Analysts | 46 | \$89,900 | 0.61 | 4.8% | 2.7% | 5 | 1 | 2 |
| 15-1231 | Computer Network Support Specialists | 43 | \$63,600 | 0.52 | 0.9% | 0.6% | 4 | 1 | 2 |
| 15-1242 | Database Administrators | 33 | \$86,600 | 0.67 | 12.2% | 0.6% | 2 | 1 | 1 |
| 15-1243 | Database Architects | 20 | \$117,400 | 0.68 | 14.4% | 0.7% | 1 | 0 | 1 |
| 15-1244 | Network and Computer Systems Administrators | 142 | \$83,300 | 0.96 | -0.3% | 0.3% | 10 | 3 | 7 |
| 15-1250 | Software and Web Developers, Programmers, and Testers | 590 | \$102,900 | 0.55 | 13.3% | 1.4% | 50 | 12 | 30 |
| 15-1251 | Computer Programmers | 28 | \$88,000 | 0.38 | -9.7% | -1.3% | 1 | 1 | 1 |
| 15-1252 | Software Developers | 439 | \$110,300 | 0.55 | 16.0% | 1.6% | 38 | 8 | 22 |
| | Total | 1,475 | | | | | | | |

Wage Comparison in Cybersecurity Occupations

| Occupation Title | Mesa County | USA | Difference |
|---|-------------|-----------|------------|
| Computer Systems Analysts | \$94,000 | \$107,100 | (\$13,100) |
| Information Security Analysts | \$89,900 | \$117,900 | (\$28,000) |
| Computer Network Support Specialists | \$63,600 | \$76,100 | (\$12,500) |
| Database Administrators | \$86,600 | \$101,600 | (\$15,000) |
| Database Architects | \$117,400 | \$127,800 | (\$10,400) |
| Network and Computer Systems Administrators | \$83,300 | \$96,500 | (\$13,200) |
| Software and Web Developers, Programmers, and Testers | \$102,900 | \$118,500 | (\$15,600) |
| Computer Programmers | \$88,000 | \$104,800 | (\$16,800) |
| Software Developers | \$110,300 | \$125,600 | (\$15,300) |

Mesa County: A Certified Work Ready Community



Local Employers Supporting

169

| NCRC Levels | NCRC's Earned: over the last two years |
|---|--|
| Platinum 99% of 22K+ profiled jobs | 601 |
| Gold 93% of 22K+ profiled jobs | 1,751 |
| Silver 69% of 22K+ profiled jobs | 3,949 |
| Bronze 17% of 22K+ profiled jobs | 2,378 |
| Total | 8,679 |

Mesa County is the only certified Work Ready Community in the state of Colorado. Mesa County utilizes the National Career Readiness Certificate (NCRC) to objectively map the skill level of our workforce. The NCRC is an evidence based, nationally recognized, work ready assessment. The NCRC directly correlates with the over 22,000 jobs in the ACT job database. Matching foundational skill levels with the NCRC test score.

- **Mesa County:** Has 73% of its test takers achieve silver level score or higher.
- **Mesa County:** Has 27% of its test takers achieve gold level score or higher.
- *The workforce in Mesa County has the essential skills to do at a minimum 69% of the over 22,000 jobs profiled in the ACT Job Database*
- *The workforce in Mesa County tests out at **13%** higher than the national average in the NCRC (2017)*

NCRC Overview: https://www.act.org/content/act/en/products-and-services/workkeys-for-employers/ncrc.html?_ga=2.44959011.628875217.1565285759-198847808.1555450557

Work Ready Community Overview: www.workreadycommunities.org

Data Notes

- Current occupation employment is as of 2022Q3 and represents average employment over the four quarters ending with that date. Employment values before that date are historical and employment figures after that date are projections.
- Forecast employment growth uses national projections from the Bureau of Labor Statistics, forecasts for 2021-2031, adapted for regional growth patterns by Chmura.
- Regions for total occupation employment data (including current, historical, and forecast) are by place of work unless noted otherwise. Regions for employment broken out by demographics (age, educational attainment, gender, race, and ethnicity) are by place of residence.
- Occupation unemployment figures are imputed by Chmura and represent the average for the four quarters ending 2022Q3. Regions for occupation unemployment represent the place of residence.
- Wages by occupation are as of 2022Q3, utilizing BLS OEWS data, imputed and brought forward by Chmura. COL-adjusted wages are adjusted to the USA base, utilizing the Cost of Living data from C2ER, data as of 2022Q4, imputed by Chmura where necessary.
- Education and training requirements represent typical requirements for occupations as designated by the Bureau of Labor Statistics.
- Occupation underemployment figures are imputed by Chmura and represent the average for the four quarters ending 2022Q3. Regions for occupation underemployment represent the place of work.
- Occupation gaps represent the projected average annual supply gaps over ten years from a start date of 2022Q3. A negative number indicates of potential supply deficit and a positive number indicates a potential supply surplus.
- Any dash or blank entry indicates that those data are not available.
- For further details on any of the contained data, including sources and imputation methods, please see the JobsEQ online Help notes.

FAQ

What is (LQ) location quotient?

Location quotient is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is annual demand?

Annual demand is a of the sum of the annual projected growth demand and separation demand. Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. Growth demand is the increase or decrease of jobs expected due to expansion or contraction of the overall number of jobs.