Ohio Short-Term Employment Forecast

1st Quarter 2021 to 1st Quarter 2023



Summary

Ohio is expected to have an estimated 613,869 annual job openings from the first quarter 2021 to the first quarter of 2023. This includes 237,248 openings due to workers leaving the labor force and 364,038 openings because of workers changing occupations. An additional 25,166 jobs are expected to be created over the period, a statewide employment increase of 0.5%.

Data Limitations

While the Ohio Bureau of Labor Market Information tries to ensure the accuracy of the projections, data and forecasts are subject to error. The information in this report is best used as an indicator of employment trends at the time they were produced. Employment forecasts cannot predict unforeseen events or actions. The projections should be used in combination with other data and information. This report provides estimates of the number of jobs, not the number of employees. It makes no distinctions for full-time, part-time, or secondary jobs.

Occupational Openings

The method of estimating occupational openings considers three sources of change: occupational transfers, labor force exits, and industry growth. Occupational transfers occur when a worker moves from one occupation to another. This leaves an opening in the first occupation. Occupational transfers do not include workers who change jobs but stay in the same occupation because there is no impact on the overall employment within the occupation. Openings from labor force exits occur when workers leave the labor force entirely for retirement or other reasons and the worker will be replaced. The last source of job openings is industry growth. As demand for products and services changes for an industry, the number of workers in that industry can increase or decrease. Occupational job growth is the difference between the base employment and projected employment values for a period. The number of openings created by growth is often lower than openings due to labor force exits and occupational transfers.

To estimate annual occupational openings, Ohio uses national separation rates calculated by the Bureau of Labor Statistics (BLS) which includes separations caused by labor force exits and separations caused by occupational transfers. Projections of separations are combined with projections of employment change to determine annual occupational openings.

Key Points for End Users

Employment projections provide an idea of what is expected for workers in the future. Educators, workforce professionals, employers, job seekers, students, and others can use projections to learn about:

- Areas of the economy that are projected to have the most employment opportunities.
- Occupations projected to have more job openings than others, informing stakeholders who prepare and train the workforce.
- Possible career pathways, as occupations with a high number of transfers may lose workers to related occupations that require a higher level of education or experience and increased pay.

Technical Notes

The Ohio short-term industry and occupational forecasts were derived primarily from data produced by the Occupational Employment and Wage Statistics (OEWS) and the Quarterly Census of Employment and Wages (QCEW) programs. The forecasts were funded by a grant from the U.S. Department of Labor (DOL).

Short-term (two-year) and long-term (ten-year) employment forecasts are calculated differently and serve different purposes. The two-year forecasts reflect seasonal and business-cycle changes; the ten-year forecasts are strongly influenced by structural changes in the economy. Short-term forecasts provide more timely information; long-term forecasts are helpful for extended economic planning and evaluation.

Industry Employment Forecast

The forecasting models utilized a historical monthly employment series from the QCEW program data through March 2021. Industry groups with three- or four-digit North American Industry Classification System (NAICS) codes were chosen. Trend, ordinary least squares regression, and autoregressive forecasting models were used. These methods measure the relationships between employment and one or more other economic variables, such as unemployment claims, housing valuations, average manufacturing hours, and more.

Occupational Employment Forecasts

Occupational estimates were derived from an industry-occupation matrix. From a three-year OEWS survey cycle, industry staffing patterns were generated based on the Standard Occupational Classification (SOC) coding structure. Occupational patterns for work arrangements outside the scope of the OEWS program (including agriculture, private household, self-employed and unpaid family workers) were developed using U.S. national staffing patterns and U.S. Census of Agriculture information.

Wages

The median wage estimates were produced using OEWS data, which are based on a semiannual mail survey. The survey gathers employment and wage data for specific occupations by geographic area and industry. Statewide Ohio wages were used when available.

Educational and Training Classifications

DOL's educational and training classification system consists of three categories: a) typical education needed for entry, b) commonly required work experience in related occupations, and c) typical on-the-job training needed to obtain competency in the occupation. Complete definitions can be found at www.bls.gov/emp/documentation/education-training-system.htm.

For additional information or questions, please visit <u>OhioLMI.com</u>, or email <u>ContactLMI@jfs.ohio.gov</u>.

| | 2021 | 2023 | Chang 2021 - 2 | - |
|--|------------|-----------|-------------------|---------|
| Industry Title | Employment | Projected | Employment | Percent |
| Total - All Industries | 5,555,532 | 5,580,698 | 25,166 | 0.5% |
| Goods-Producing | 970,451 | 987,685 | 17,234 | 1.8% |
| Agriculture, Forestry, Fishing and Hunting | 98,260 | 99,218 | 958 | 1.0% |
| Mining | 8,061 | 8,045 | -16 | -0.2% |
| Construction | 203,476 | 212,929 | 9,453 | 4.6% |
| Manufacturing | 660,654 | 667,493 | 6,839 | 1.0% |
| Service-Providing | 4,301,166 | 4,312,287 | 11,121 | 0.3% |
| Wholesale Trade | 224,228 | 224,177 | -51 | 0.0% |
| Retail Trade | 535,391 | 536,055 | 664 | 0.1% |
| Transportation and Warehousing | 239,220 | 253,108 | 13,888 | 5.8% |
| Utilities | 18,282 | 17,718 | -564 | -3.1% |
| Information | 62,790 | 60,570 | -2,220 | -3.5% |
| Finance and Insurance | 228,158 | 229,776 | 1,618 | 0.7% |
| Real Estate and Rental and Leasing | 60,957 | 61,394 | 437 | 0.7% |
| Professional, Scientific, and Technical Services | 266,015 | 268,921 | 2,906 | 1.1% |
| Management of Companies and Enterprises | 136,062 | 136,380 | 318 | 0.2% |
| Administrative and Waste Services | 297,347 | 305,502 | 8,155 | 2.7% |
| Educational Services | 414,455 | 401,703 | -12,752 | -3.1% |
| Health Care and Social Assistance | 816,908 | 812,240 | -4,668 | -0.6% |
| Arts, Entertainment, and Recreation | 52,017 | 51,756 | -261 | -0.5% |
| Accommodation and Food Services | 401,089 | 410,078 | 8,989 | 2.2% |
| Other Services (except Government) | 210,965 | 212,436 | 1,471 | 0.7% |
| Government | 337,282 | 330,473 | -6,809 | -2.0% |
| Self-Employed and Unpaid Family Workers | 268,317 | 265,584 | -2,733 | -1.0% |

Employment Projections Report by Major Industry First Quarter 2021 to First Quarter 2023

Ohio Short-Term Industry Employment* Projections First Quarter 2021 to First Quarter 2023

| NAICS | | 2021 | 2023 | Chan 2021 - 2 | - |
|-------------------|--|------------------|------------------|------------------|--------------|
| | Industry Title | Employment | Projected | Employment | Percent |
| | Total - All Industries | 5,555,532 | 5,580,698 | 25,166 | 0.5% |
| | Goods-Producing | 970,451 | 987,685 | 17,234 | 1.8% |
| | Natural Resources and Mining | 106,321 | 107,263 | 942 | 0.9% |
| | Agriculture, Forestry, Fishing and Hunting | 98,260 | 99,218 | 958 | 1.0% |
| | Mining | 8,061 | 8,045 | -16 | -0.2% |
| | Construction | 203,476 | 212,929 | 9,453 | 4.6% |
| 236 | Construction of Buildings | 47,033 | 48,920 | 1,887 | 4.0% |
| 237 | Heavy and Civil Engineering Construction | 23,135 | 23,820 | 685 | 3.0% |
| 238 | Specialty Trade Contractors | 133,308 | 140,189 | 6,881 | 5.2% |
| | Manufacturing | 660,654 | 667,493 | 6,839 | 1.0% |
| 311 | Food Manufacturing | 59,631 | 60,222 | 591 | 1.0% |
| 312 | Beverage and Tobacco Product Manufacturing | 9,744 | 10,152 | 408 | 4.2% |
| 321 | Wood Product Manufacturing | 12,851 | 13,121 | 270 | 2.1% |
| 322 | Paper Manufacturing | 20,523 | 20,611 | 88 | 0.4% |
| 323 | Printing and Related Support Activities | 18,382 | 17,121 | -1,261 | -6.9% |
| 324 | Petroleum and Coal Products Manufacturing | 4,532 | 4,532 | 0 | 0.0% |
| 325 | Chemical Manufacturing | 46,710 | 47,331 | 621 | 1.3% |
| 326 | Plastics and Rubber Products Manufacturing | 56,759 | 56,636 | -123 | -0.2% |
| 327 | Nonmetallic Mineral Product Manufacturing | 25,590 | 25,976 | 386 | 1.5% |
| 331 | Primary Metal Manufacturing | 33,662 | 33,441 | -221 | -0.7% |
| 332 | Fabricated Metal Product Manufacturing | 92,263 | 92,796 | 533 | 0.6% |
| 333 | Machinery Manufacturing | 73,518 | 74,131 | 613 | 0.8% |
| 333 334 | Computer and Electronic Product Manufacturing | 20,167 | 19,845 | -322 | -1.6% |
| 334 335 | Electrical Equipment and Appliance Mfg. | 26,906 | 27,040 | 134 | 0.5% |
| 336 | Transportation Equipment Manufacturing | 116,071 | 121,148 | 5,077 | 4.4% |
| 330 337 | Furniture and Related Product Manufacturing | 15,072 | 15,072 | 0 | 0.0% |
| 339 | Miscellaneous Manufacturing | 21,426 | 21,519 | 93 | 0.0% |
| 555 | Service-Providing | 4,301,166 | 4,312,287 | 11,121 | 0.4% |
| | Trade, Transportation and Utilities | 1,017,121 | 1,031,058 | 13,937 | 1.4% |
| | Wholesale Trade | 224,228 | 224,177 | -51 | 0.0% |
| 423 | Merchant Wholesalers, Durable Goods | 134,854 | 135,788 | 934 | 0.7% |
| 424 | Merchant Wholesalers, Nondurable Goods | 72,931 | 71,950 | -981 | -1.3% |
| 425 | Wholesale Electronic Markets and Agents and Brokers | 16,443 | 16,439 | -4 | 0.0% |
| 420 | Retail Trade | 535,391 | 536,055 | 664 | 0.1% |
| 441 | Motor Vehicle and Parts Dealers | 74,543 | 74,855 | 312 | 0.4% |
| 442 | Furniture and Home Furnishings Stores | 13,130 | 12,885 | -245 | -1.9% |
| 443 | Electronics and Appliance Stores | 12,927 | 12,966 | 39 | 0.3% |
| 444 | Building Mat./Garden Equip. and Supplies Dealers | 54,327 | 55,397 | 1,070 | 2.0% |
| 445 | Food and Beverage Stores | 102,192 | 102,729 | 537 | 0.5% |
| 446 | Health and Personal Care Stores | 34,674 | 34,480 | -194 | -0.6% |
| 440 447 | Gasoline Stations | 34,231 | 34,409 | 178 | 0.5% |
| 448 | Clothing and Clothing Accessories Stores | 28,543 | 28,774 | 231 | 0.8% |
| 451 | Sporting Goods, Hobby, Book, and Music Stores | 16,894 | 16,965 | 71 | 0.4% |
| 452 | General Merchandise Stores | 108,339 | 106,545 | -1,794 | -1.7% |
| 453 | Miscellaneous Store Retailers | 27,222 | 27,038 | -184 | -0.7% |
| 454 | Nonstore Retailers | 28,369 | 29,012 | 643 | 2.3% |
| | Transportation and Warehousing | 239,220 | 253,108 | 13,888 | 5.8% |
| 481 | Air Transportation | 9,491 | 9,280 | -211 | -2.2% |
| 484 | Truck Transportation | 69,305 | 71,737 | 2,432 | 3.5% |
| | Transit and Ground Passenger Transport | 7,957 | 8,133 | 176 | 2.2% |
| 485 | | | | | |
| 485 488 | Support Activities for Transportation | 20 591 | 20 906 | 315 | 1 6% |
| 485 488 492 | Support Activities for Transportation Couriers and Messengers | 20,591 37,431 | 20,906 40,377 | 315 2,946 | 1.5% 7.9% |

Ohio Short-Term Industry Employment* Projections First Quarter 2021 to First Quarter 2023

| NAICS | | 2021 | 2023 | Chang 2021 - 2 | - | |
|-------|---|------------|-----------|-------------------|---------|--|
| Code | Industry Title | Employment | Projected | Employment | Percent | |
| | Utilities | 18,282 | 17,718 | -564 | -3.1% | |
| | Information | 62,790 | 60,570 | -2,220 | -3.5% | |
| 511 | Publishing Industries (except Internet) | 19,003 | 18,202 | -801 | -4.2% | |
| 515 | Broadcasting (except Internet) | 5,331 | 4,971 | -360 | -6.8% | |
| 518 | Data Processing, Hosting, and Related Services | 8,783 | 8,896 | 113 | 1.3% | |
| 519 | Other Information Services | 6,329 | 6,538 | 209 | 3.3% | |
| | Financial Activities | 289,115 | 291,170 | 2,055 | 0.7% | |
| | Finance and Insurance | 228,158 | 229,776 | 1,618 | 0.7% | |
| 522 | Credit Intermediation and Related Activities | 97,480 | 99,860 | 2,380 | 2.4% | |
| 523 | Securities, Commodity Contracts, and Investments | 19,760 | 20,185 | 425 | 2.2% | |
| 524 | Insurance Carriers and Related Activities | 109,585 | 108,272 | -1,313 | -1.2% | |
| | Real Estate and Rental and Leasing | 60,957 | 61,394 | 437 | 0.7% | |
| 531 | Real Estate | 45,333 | 46,002 | 669 | 1.5% | |
| 532 | Rental and Leasing Services | 15,013 | 14,780 | -233 | -1.6% | |
| | Professional and Business Services | 699,424 | 710,803 | 11,379 | 1.6% | |
| | Professional, Scientific, and Technical Services | 266,015 | 268,921 | 2,906 | 1.1% | |
| 5411 | Legal Services | 30,258 | 29,844 | -414 | -1.4% | |
| 5412 | Accounting and Bookkeeping Services | 32,717 | 32,651 | -66 | -0.2% | |
| 5413 | Architectural, Engineering, and Related Services | 41,233 | 42,141 | 908 | 2.2% | |
| 5414 | Specialized Design Services | 6,407 | 6,447 | 40 | 0.6% | |
| 5415 | Computer Systems Design and Related Services | 65,629 | 66,470 | 841 | 1.3% | |
| 5417 | Scientific Research and Development Services | 19,432 | 20,500 | 1,068 | 5.5% | |
| 5419 | Other Professional, Scientific, and Technical Services | 24,519 | 25,108 | 589 | 2.4% | |
| | Management of Companies and Enterprises | 136,062 | 136,380 | 318 | 0.2% | |
| | Administrative and Waste Services | 297,347 | 305,502 | 8,155 | 2.7% | |
| 561 | Administrative and Support Services | 279,632 | 286,996 | 7,364 | 2.6% | |
| 562 | Waste Management and Remediation Service | 17,715 | 18,506 | 791 | 4.5% | |
| | Education and Health Services | 1,231,363 | 1,213,943 | -17,420 | -1.4% | |
| | Educational Services | 414,455 | 401,703 | -12,752 | -3.1% | |
| 6111 | Elementary and Secondary Schools | 271,022 | 261,213 | -9,809 | -3.6% | |
| 6112 | Junior Colleges | 16,936 | 15,902 | -1,034 | -6.1% | |
| 6113 | Colleges, Universities, and Professional Schools | 88,925 | 86,739 | -2,186 | -2.5% | |
| 6116 | Other Schools and Instruction | 10,655 | 11,000 | 345 | 3.2% | |
| | Health Care and Social Assistance | 816,908 | 812,240 | -4,668 | -0.6% | |
| 621 | Ambulatory Health Care Services | 273,588 | 276,924 | 3,336 | 1.2% | |
| 622 | Hospitals | 284,026 | 287,874 | 3,848 | 1.4% | |
| 623 | Nursing and Residential Care Facilities | 148,300 | 134,457 | -13,843 | -9.3% | |
| 624 | Social Assistance | 110,994 | 112,985 | 1,991 | 1.8% | |
| | Leisure and Hospitality | 453,106 | 461,834 | 8,728 | 1.9% | |
| | Arts, Entertainment, and Recreation | 52,017 | 51,756 | -261 | -0.5% | |
| 711 | Performing Arts, Spectator Sports, and Related Industries | 7,606 | 7,861 | 255 | 3.4% | |
| 713 | Amusement, Gambling, and Recreation Industries | 39,526 | 39,260 | -266 | -0.7% | |
| | Accommodation and Food Services | 401,089 | 410,078 | 8,989 | 2.2% | |
| 721 | Accommodation, including Hotels and Motels | 22,944 | 23,773 | 829 | 3.6% | |
| 722 | Food Services and Drinking Places | 378,145 | 386,305 | 8,160 | 2.2% | |

Ohio Short-Term Industry Employment* Projections First Quarter 2021 to First Quarter 2023

| NAICS | | 2021 | 2023 | Change 2021 - 2023 | | | |
|------------|--|------------------|------------------|-----------------------|---------|--|--|
| Code | Industry Title | Employment | Projected | Employment | Percent | | |
| | Other Services (except Government) | 210,965 | 212,436 | 1,471 | 0.7% | | |
| 811 | Repair and Maintenance | 48,996 | 49,903 | 907 | 1.9% | | |
| 812 | Personal and Laundry Services | 48,217 | 48,300 | 83 | 0.2% | | |
| 813 814 | Religious, Grantmaking, Civic, Professional, and Similar Organizations Private Household | 98,316 15,436 | 98,300 15,933 | -16 497 | 0.0% | | |
| 014 | Government | 337,282 | 330,473 | -6,809 | -2.0% | | |
| 4911 | Postal Service | 22,419 | 22,323 | -96 | -0.4% | | |
| 9991 | Federal Government, excluding Post Office | 57,138 | 55,891 | -1,247 | -2.2% | | |
| 9992 | State Government, excluding Education and Hospitals | 51,728 | 50,299 | -1,429 | -2.8% | | |
| 9993 | Local Government, excluding Education and Hospitals | 205,997 | 201,960 | -4,037 | -2.0% | | |
| | Self-Employed and Unpaid Family Workers | 268,317 | 265,584 | -2,733 | -1.0% | | |

* Industries with at least 5,000 employment. Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, June 2022.

Ohio Occupational Employment Projections by Major Occupational Group

First Quarter 2021 to First Quarter 2023

Breakdown of Annual Openings

| | | Employ | /ment | Change in | | Annual | Openings | |
|---------|--|------------|-----------|------------|--------|---------|----------|---------|
| SOC | | 2021 | 2023 | Employment | Change | Exits | Tranfers | |
| Code | Occupational Title | Employment | Projected | 2021- 2023 | [1] | [2] | [3] | Total |
| | Total, All Occupations | 5,555,532 | 5,580,698 | 25,166 | 12,583 | 237,248 | 364,038 | 613,869 |
| 11-0000 | Management Occupations | 337,858 | 341,023 | 3,165 | 1,582 | 10,968 | 16,976 | 29,526 |
| 13-0000 | Business and Financial Operations Occupations | 329,947 | 331,944 | 1,997 | 998 | 8,690 | 19,358 | 29,046 |
| 15-0000 | Computer and Mathematical Occupations | 168,995 | 171,014 | 2,019 | 1,010 | 3,516 | 8,391 | 12,917 |
| 17-0000 | Architecture and Engineering Occupations | 91,430 | 93,059 | 1,629 | 814 | 2,164 | 4,322 | 7,300 |
| 19-0000 | Life, Physical, and Social Science Occupations | 41,364 | 41,596 | 232 | 116 | 874 | 2,856 | 3,846 |
| 21-0000 | Community and Social Service Occupations | 105,186 | 105,435 | 249 | 124 | 3,648 | 6,722 | 10,494 |
| 23-0000 | Legal Occupations | 38,248 | 38,167 | -81 | -40 | 1,054 | 1,505 | 2,519 |
| 25-0000 | Education, Training, and Library Occupations | 301,647 | 293,544 | -8,103 | -4,052 | 11,556 | 13,336 | 20,840 |
| 27-0000 | Arts, Design, Entertainment, Sports, and Media Occupations | 81,163 | 80,097 | -1,066 | -533 | 3,168 | 5,118 | 7,753 |
| 29-0000 | Healthcare Practitioners and Technical Occupations | 377,117 | 377,605 | 488 | 244 | 9,669 | 11,354 | 21,267 |
| 31-0000 | Healthcare Support Occupations | 229,056 | 226,527 | -2,529 | -1,264 | 13,261 | 14,148 | 26,145 |
| 33-0000 | Protective Service Occupations | 105,784 | 104,780 | -1,004 | -502 | 4,855 | 6,624 | 10,977 |
| 35-0000 | Food Preparation and Serving Related Occupations | 426,120 | 431,577 | 5,457 | 2,728 | 32,944 | 43,791 | 79,463 |
| 37-0000 | Building and Grounds Cleaning and Maintenance Occupations | 162,124 | 163,440 | 1,316 | 658 | 9,214 | 11,928 | 21,800 |
| 39-0000 | Personal Care and Service Occupations | 122,289 | 121,849 | -440 | -220 | 7,530 | 9,241 | 16,551 |
| 41-0000 | Sales and Related Occupations | 502,650 | 501,150 | -1,500 | -750 | 25,334 | 39,280 | 63,864 |
| 43-0000 | Office and Administrative Support Occupations | 704,699 | 697,572 | -7,127 | -3,564 | 33,242 | 43,480 | 73,158 |
| 45-0000 | Farming, Fishing, and Forestry Occupations | 15,603 | 15,703 | 100 | 50 | 654 | 1,776 | 2,480 |
| 47-0000 | Construction and Extraction Occupations | 191,852 | 199,137 | 7,285 | 3,642 | 5,814 | 13,330 | 22,786 |
| 49-0000 | Installation, Maintenance, and Repair Occupations | 217,280 | 220,138 | 2,858 | 1,429 | 6,896 | 13,778 | 22,103 |
| 51-0000 | Production Occupations | 486,268 | 489,547 | 3,279 | 1,640 | 17,994 | 34,637 | 54,271 |
| 53-0000 | Transportation and Material Moving Occupations | 518,852 | 535,794 | 16,942 | 8,471 | 24,205 | 42,090 | 74,766 |

[1] Numeric change measures the projected annual number of job gains or losses in an occupation for the projection period.

[2] Exits are the projected number of workers leaving an occupation and exiting the labor force entirely.

[3] Transfers are the projected number of workers leaving an occupation and transferring to a different occupation.

Ohio's Fastest Growing Occupations*

First Quarter 2021 to First Quarter 2023

| | | | Total | Median |
|---------|---|---------|----------|----------|
| SOC | | Percent | Annual | Wage** |
| | Occupational Title | Change | Openings | May 2021 |
| 29-1171 | Nurse Practitioners | 9.1% | 982 | \$49.67 |
| 47-2181 | Roofers | 7.4% | 686 | \$22.53 |
| 49-3052 | Motorcycle Mechanics | 7.0% | 100 | \$17.95 |
| 15-2041 | Statisticians | 6.9% | 107 | \$36.17 |
| 35-2014 | Cooks, Restaurant | 6.9% | 6,133 | \$13.87 |
| 47-2042 | Floor Layers, Except Carpet, Wood, and Hard Tiles | 6.7% | 105 | \$23.11 |
| 53-7081 | Refuse and Recyclable Material Collectors | 6.6% | 936 | \$18.62 |
| 47-2121 | Glaziers | 6.3% | 197 | \$23.92 |
| 41-3041 | Travel Agents | 6.1% | 157 | \$18.03 |
| 51-9162 | Computer Numerically Controlled Tool Programmers | 6.1% | 295 | \$27.68 |
| 39-3031 | Ushers, Lobby Attendants, and Ticket Takers | 6.0% | 587 | \$10.99 |
| 47-2221 | Structural Iron and Steel Workers | 6.0% | 342 | \$29.44 |
| 29-1071 | Physician Assistants | 5.8% | 394 | \$49.29 |
| 49-9011 | Mechanical Door Repairers | 5.6% | 105 | \$19.36 |
| 35-3011 | Bartenders | 5.6% | 3,844 | \$10.21 |
| 53-7051 | Industrial Truck and Tractor Operators | 5.5% | 4,874 | \$18.51 |
| 13-1081 | Logisticians | 5.4% | 834 | \$37.03 |
| 47-2044 | Tile and Marble Setters | 5.3% | 99 | \$23.19 |
| 47-2081 | Drywall and Ceiling Tile Installers | 5.1% | 115 | \$23.11 |
| 15-1212 | Information Security Analysts | 5.1% | 421 | \$47.62 |
| 49-9041 | Industrial Machinery Mechanics | 5.1% | 2,194 | \$28.74 |
| 47-2061 | Construction Laborers | 5.1% | 4,874 | \$22.22 |
| 47-2021 | Brickmasons and Blockmasons | 5.0% | 379 | \$29.39 |
| 47-2051 | Cement Masons and Concrete Finishers | 4.9% | 589 | \$23.33 |
| 13-2061 | Financial Examiners | 4.8% | 370 | \$36.65 |
| 11-9021 | Construction Managers | 4.8% | 956 | \$47.08 |
| 47-3011 | HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters | 4.7% | 78 | \$18.33 |
| 39-2021 | Nonfarm Animal Caretakers | 4.6% | 1,589 | \$11.01 |
| 47-2141 | Painters, Construction and Maintenance | 4.5% | 904 | \$22.21 |
| 47-2132 | Insulation Workers, Mechanical | 4.4% | 76 | \$28.76 |

¹ Occupational codes based on SOC 2010 coding structure. Detailed information - http://www.bls.gov/soc/

* Based on occupations with at least 500 workers.

** Wage estimates are based on Ohio's OEWS surveys.

Occupations in Ohio with the Most Annual Openings

First Quarter 2021 to First Quarter 2023

| | | Total | Median |
|---------|---|----------|----------|
| SOC | | Annual | Wage* |
| Code' | Occupational Title | Openings | May 2021 |
| 35-3023 | Fast Food and Counter Workers | 31,664 | \$10.70 |
| 41-2031 | Retail Salespersons | 19,026 | \$12.99 |
| 53-7062 | Laborers and Freight, Stock, and Material Movers, Hand | 18,927 | \$16.37 |
| 41-2011 | Cashiers | 18,254 | \$10.96 |
| 53-7065 | Stockers and Order Fillers | 16,764 | \$14.39 |
| 43-4051 | Customer Service Representatives | 14,502 | \$17.89 |
| 35-3031 | Waiters and Waitresses | 13,513 | \$9.87 |
| 31-1120 | Home Health and Personal Care Aides | 11,641 | \$11.54 |
| 43-9061 | Office Clerks, General | 11,329 | \$17.85 |
| 37-2011 | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 10,628 | \$14.06 |
| 51-2090 | Miscellaneous Assemblers and Fabricators | 10,299 | \$17.78 |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 9,920 | \$23.17 |
| 29-1141 | Registered Nurses | 6,887 | \$35.62 |
| 35-1012 | First-Line Supervisors of Food Preparation and Serving Workers | 6,241 | \$15.65 |
| 35-2014 | Cooks, Restaurant | 6,133 | \$13.87 |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 5,958 | \$18.76 |
| 41-4012 | Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod. | 5,803 | \$29.71 |
| 49-9071 | Maintenance and Repair Workers, General | 5,743 | \$22.36 |
| 11-1021 | General and Operations Managers | 5,736 | \$45.60 |
| 37-3011 | Landscaping and Groundskeeping Workers | 5,550 | \$14.58 |
| 43-6014 | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 5,095 | \$17.94 |
| 31-1131 | Nursing Assistants | 5,086 | \$14.34 |
| 47-2061 | Construction Laborers | 4,874 | \$22.22 |
| 53-7051 | Industrial Truck and Tractor Operators | 4,874 | \$18.51 |
| 15-1256 | Software Developers | 4,793 | \$48.02 |
| 53-3033 | Light Truck or Delivery Services Drivers | 4,776 | \$18.00 |
| 13-2011 | Accountants and Auditors | 4,557 | \$33.46 |
| 41-1011 | First-Line Supervisors of Retail Sales Workers | 4,502 | \$18.23 |
| 35-2021 | Food Preparation Workers | 4,429 | \$11.69 |
| 43-1011 | First-Line Supervisors of Office and Administrative Support Workers | 4,401 | \$28.91 |

¹ Occupational codes based on SOC 2010 coding structure. Detailed information - http://www.bls.gov/soc/

* Wage estimates are based on Ohio's OEWS surveys.

| | | | yment | Chang | in in | | | | | Median |
|---------|--|-----------|-----------|-----------|--------|--------|---------|----------|---------|------------------------------|
| soc | | 2021 | 2023 | Employ | | | Annual | Openings | | Wage*** |
| | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 00-0000 | Total, All Occupations | 5,555,532 | 5,580,698 | 25,166 | 0.5% | 12,583 | 237,248 | 364,038 | 613,869 | \$19.08 |
| 11-0000 | Management Occupations | 337,858 | 341,023 | 3,165 | 0.9% | 1,582 | 10,968 | 16,976 | 29,526 | \$47.53 |
| 11-1011 | Chief Executives | 6,554 | 6,392 | -162 | -2.5% | -81 | 176 | 261 | 356 | \$86.39 |
| 11-1021 | General and Operations Managers | 65,541 | 66,212 | 671 | 1.0% | 336 | 1,316 | 4,084 | 5,736 | \$45.60 |
| 11-1031 | Legislators | 2,352 | 2,316 | -36 | -1.5% | -18 | 54 | 114 | 150 | \$36,940 +++ |
| 11-2011 | Advertising and Promotions Managers | 270 | 260 | -10 | -3.7% | -5 | 5 | 20 | 20 | \$48.02 |
| 11-2021 | Marketing Managers | 6,617 | 6,653 | 36 | 0.5% | 18 | 132 | 418 | 568 | \$61.47 |
| 11-2022 | Sales Managers | 10,844 | 10,918 | 74 | 0.7% | 37 | 218 | 686 | 941 | \$61.17 |
| 11-2030 | Public Relations and Fundraising Manager | 1,774 | 1,771 | -3 | -0.2% | -2 | 46 | 100 | 144 | \$57.62 |
| 11-3010 | Administrative Services and Facilities Managers | 10,869 | 10,890 | 21 | 0.2% | 10 | 309 | 544 | 863 | \$47.73 ** |
| 11-3021 | Computer and Information Systems Managers | 12,209 | 12,258 | 49 | 0.4% | 24 | 198 | 695 | 917 | \$62.43 |
| 11-3031 | Financial Managers | 22,166 | 22,745 | 579 | 2.6% | 290 | 460 | 1,128 | 1,878 | \$60.79 |
| 11-3051 | Industrial Production Managers | 11,547 | 11,740 | 193 | 1.7% | 96 | 226 | 550 | 872 | \$48.40 |
| 11-3061 | Purchasing Managers | 2,210 | 2,231 | 21 | 1.0% | 10 | 48 | 120 | 178 | \$58.50 |
| 11-3071 | Transportation, Storage, and Distribution Managers | 6,095 | 6,297 | 202 | 3.3% | 101 | 118 | 342 | 561 | \$44.54 |
| 11-3111 | Compensation and Benefits Managers | 446 | 444 | -2 | -0.4% | -1 | 10 | 23 | 32 | \$61.38 |
| 11-3121 | Human Resources Managers | 3,989 | 4,017 | 28 | 0.7% | 14 | 93 | 224 | 331 | \$59.27 |
| 11-3131 | Training and Development Managers | 894 | 899 | 5 | 0.6% | 2 | 20 | 59 | 81 | \$55.57 |
| 11-9013 | Farmers, Ranchers, and Other Agricultural Managers | 82,770 | 83,519 | 749 | 0.9% | 374 | 5,129 | 2,890 | 8,393 | \$35.12 + |
| 11-9021 | Construction Managers | 9,889 | 10,361 | 472 | 4.8% | 236 | 208 | 512 | 956 | \$47.08 |
| 11-9031 | Education Administrators, Preschool and Childcare Center/Program | 1,958 | 1,921 | -37 | -1.9% | -18 | 48 | 90 | 120 | \$22.31 |
| 11-9032 | Education Administrators, Elementary and Secondary School | 9,402 | 9,087 | -315 | -3.4% | -158 | 228 | 429 | 499 | \$97,320 *** |
| 11-9033 | Education Administrators, Postsecondary | 3,525 | 3,417 | -108 | -3.1% | -54 | 86 | 161 | 193 | \$45.68 |
| 11-9039 | Education Administrators, All Other | 1,020 | 1,011 | -9 | -0.9% | -4 | 25 | 47 | 68 | \$36.22 |
| 11-9041 | Architectural and Engineering Managers | 5,584 | 5,656 | 72 | 1.3% | 36 | 101 | 286 | 423 | \$63.11 |
| 11-9051 | Food Service Managers | 10,520 | 10,610 | 90 | 0.9% | 45 | 323 | 844 | 1,212 | \$27.30 |
| 11-9081 | Lodging Managers | 1,151 | 1,166 | 15 | 1.3% | | 44 | 80 | 132 | \$28.90 |
| 11-9111 | Medical and Health Services Managers | 14,715 | 15,135 | 420 | 2.9% | 210 | 373 | 758 | 1,341 | \$47.38 |
| 11-9121 | Natural Sciences Managers | 922 | 931 | 9 | 1.0% | 4 | 18 | 46 | 68 | \$50.66 |
| 11-9131 | Postmasters and Mail Superintendents | 476 | 475 | -1 | -0.2% | 0 | 11 | 24 | 35 | \$38.87 |
| 11-9141 | Property, Real Estate, and Community Association Managers | 11,617 | 11,698 | 81 | 0.7% | 40 | 443 | 440 | 923 | \$22.97 |
| 11-9151 | Social and Community Service Managers | 5,060 | 5,050 | -10 | -0.2% | -5 | 152 | 271 | 418 | \$30.13 |
| 11-9171 | Funeral Home Managers | 370 | 364 | -6 | -1.6% | -3 | 8 | 18 | 23 | \$35.58 |
| 11-9198 | Managers, All Other | 14,167 | 14,247 | 80 | 0.6% | 40 | 330 | 696 | 1,066 | \$49.41 |
| 13-0000 | Business and Financial Operations Occupations | 329,947 | 331,944 | 1,997 | 0.6% | 998 | 8,690 | 19,358 | 29,046 | \$30.79 |
| 13-1020 | Buyers and Purchasing Agents | 17,430 | 17,192 | -238 | -1.4% | -119 | 588 | 1,110 | 1,579 | \$30.37 |
| 13-1031 | Claims Adjusters, Examiners, and Investigators | 12,518 | 12,114 | -404 | -3.2% | -202 | 290 | 640 | 728 | \$29.96 |
| 13-1041 | Compliance Officers | 8,490 | 8,482 | -8 | -0.1% | -4 | 200 | 452 | 652 | \$30.51 |
| 13-1051 | Cost Estimators | 7,671 | 7,851 | 180 | 2.3% | 90 | 219 | 468 | 777 | \$30.42 |
| 13-1071 | Human Resources Specialists | 30,432 | 30,907 | 475 | 1.6% | 238 | 830 | 2,038 | 3,106 | \$28.91 |
| 13-1075 | Labor Relations Specialists | 4,112 | 3,897 | -215 | -5.2% | -108 | 108 | 266 | 266 | \$37.16 |
| 13-1081 | Logisticians | 7,252 | 7,641 | 389 | 5.4% | 194 | 156 | 484 | 834 | \$37.03 |
| 13-1111 | Management Analysts | 27,816 | 27,968 | 152 | 0.5% | 76 | 897 | 1,605 | 2,578 | \$38.17 |
| 13-1121 | Meeting, Convention, and Event Planners | 3,265 | 3,267 | 2 | 0.1% | ,0 | 98 | 240 | 339 | \$23.34 |
| 13-1131 | Fundraisers | 5,205 | 5,100 | -2 | 0.0% | -1 | 158 | 324 | 481 | \$28.91 |
| 13-1141 | Compensation, Benefits, and Job Analysis Specialists | 2,788 | 2,840 | 52 | 1.9% | 26 | 84 | 165 | 275 | \$29.49 |
| | | 2,700 | 2,040 | 52 | 1.0 /0 | 20 | 07 | 100 | 275 | Ψ <u>-</u> 0. 4 0 |

| | | Emple | oyment | Chang | ne in | | | | | Median |
|---------|--|---------|-----------|-----------|-------|--------|--------|----------|--------|----------|
| soc | | 2021 | 2023 | Employ | - | | Annual | Openings | | Wage*** |
| | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 13-1151 | Training and Development Specialists | 13,048 | 13,214 | 166 | 1.3% | 83 | 396 | 804 | 1,283 | \$23.76 |
| 13-1161 | Market Research Analysts and Marketing Specialists | 26,130 | 26,780 | 650 | 2.5% | 325 | 627 | 1,934 | 2,886 | \$29.55 |
| 13-1198 | Business Operations Specialists, All Other | 56,220 | 56,234 | 14 | 0.0% | 7 | 1,304 | 2,758 | 4,069 | \$31.77 |
| 13-2011 | Accountants and Auditors | 51,015 | 51,225 | 210 | 0.4% | 105 | 1,424 | 3,028 | 4,557 | \$33.46 |
| 13-2020 | Property Appraisers and Assessors | 1,856 | 1,866 | 10 | 0.5% | 5 | 70 | 68 | 143 | \$30.43 |
| 13-2031 | Budget Analysts | 989 | 985 | -4 | -0.4% | -2 | 24 | 52 | 74 | \$37.18 |
| 13-2041 | Credit Analysts | 2,765 | 2,774 | 9 | 0.3% | 4 | 47 | 186 | 237 | \$34.74 |
| 13-2052 | Personal Financial Advisors | 9,091 | 9,268 | 177 | 1.9% | 88 | 208 | 451 | 747 | \$39.22 |
| 13-2053 | Insurance Underwriters | 4,901 | 4,717 | -184 | -3.8% | -92 | 98 | 250 | 256 | \$37.04 |
| 13-2061 | Financial Examiners | 3,750 | 3,931 | 181 | 4.8% | 90 | 102 | 178 | 370 | \$36.65 |
| 13-2071 | Credit Counselors | 946 | 957 | 11 | 1.2% | 6 | 20 | 52 | 78 | \$23.56 |
| 13-2072 | Loan Officers | 12,344 | 12,659 | 315 | 2.6% | 158 | 268 | 680 | 1,106 | \$29.96 |
| 13-2081 | Tax Examiners and Collectors, and Revenue Agents | 1,110 | 1,079 | -31 | -2.8% | -16 | 42 | 48 | 74 | \$30.51 |
| 13-2082 | Tax Preparers | 2,397 | 2,385 | -12 | -0.5% | -6 | 130 | 132 | 256 | \$14.98 |
| 13-2098 | Financial Specialists AO | 15,968 | 16,069 | 101 | 0.6% | 50 | 281 | 914 | 1,245 | \$38.60 |
| 15-0000 | Computer and Mathematical Occupations | 168,995 | 171,014 | 2,019 | 1.2% | 1,010 | 3,516 | 8,391 | 12,917 | \$38.19 |
| 15-1211 | Computer Systems Analysts | 23,580 | 23,510 | -70 | -0.3% | -35 | 460 | 1,158 | 1,583 | \$45.83 |
| 15-1212 | Information Security Analysts | 4,289 | 4,508 | 219 | 5.1% | 110 | 68 | 243 | 421 | \$47.62 |
| 15-1221 | Computer and Information Research Scientists | 611 | 637 | 26 | 4.3% | 13 | 11 | 32 | 56 | \$57.28 |
| 15-1231 | Computer Network Support Specialists | 8,139 | 8,151 | 12 | 0.1% | 6 | 153 | 431 | 590 | \$29.00 |
| 15-1232 | Computer User Support Specialists | 21,947 | 22,080 | 133 | 0.6% | 66 | 414 | 1,165 | 1,645 | \$22.96 |
| 15-1241 | Computer Network Architects | 4,676 | 4,643 | -33 | -0.7% | -16 | 64 | 212 | 260 | \$49.41 |
| 15-1244 | Network and Computer Systems Administrators | 12,199 | 12,155 | -44 | -0.4% | -22 | 204 | 575 | 757 | \$38.20 |
| 15-1245 | Database Administrators | 4,744 | 4,756 | 12 | 0.3% | 6 | 110 | 233 | 349 | \$41.15 |
| 15-1251 | Computer Programmers | 5,669 | 5,502 | -167 | -2.9% | -84 | 112 | 255 | 283 | \$36.57 |
| 15-1256 | Software Developers | 55,399 | 56,875 | 1,476 | 2.7% | 738 | 1,302 | 2,753 | 4,793 | \$48.02 |
| 15-1257 | Web Developers | 5,649 | 5,665 | 16 | 0.3% | 8 | 131 | 278 | 417 | \$37.24 |
| 15-1299 | Computer Occupations, All Other | 12,290 | 12,318 | 28 | 0.2% | 14 | 286 | 604 | 904 | \$46.05 |
| 15-2011 | Actuaries | 1,416 | 1,457 | 41 | 2.9% | 20 | 22 | 56 | 98 | \$47.88 |
| 15-2031 | Operations Research Analysts | 4,892 | 5,088 | 196 | 4.0% | 98 | 108 | 218 | 424 | \$40.91 |
| 15-2041 | Statisticians | 997 | 1,066 | 69 | 6.9% | 34 | 21 | 52 | 107 | \$36.17 |
| 17-0000 | Architecture and Engineering Occupations | 91,430 | 93,059 | 1,629 | 1.8% | 814 | 2,164 | 4,322 | 7,300 | \$37.39 |
| 17-1011 | Architects, except Landscape and Naval | 2,986 | 3,051 | 65 | 2.2% | 32 | 82 | 128 | 242 | \$37.45 |
| 17-1012 | Landscape Architects | 596 | 610 | 14 | 2.3% | 7 | 16 | 26 | 49 | \$23.21 |
| 17-1021 | Cartographers and Photogrammetrists | 144 | 143 | -1 | -0.7% | 0 | 5 | 7 | 12 | \$36.83 |
| 17-1022 | Surveyors | 1,209 | 1,230 | 21 | 1.7% | 10 | 42 | 60 | 112 | \$29.34 |
| 17-2011 | Aerospace Engineers | 3,458 | 3,478 | 20 | 0.6% | 10 | 71 | 120 | 201 | \$58.46 |
| 17-2031 | Biomedical Engineers | 589 | 592 | 3 | 0.5% | 2 | 12 | 24 | 38 | \$45.33 |
| 17-2041 | Chemical Engineers | 1,101 | 1,125 | 24 | 2.2% | 12 | 22 | 41 | 75 | \$46.88 |
| 17-2051 | Civil Engineers | 6,888 | 7,044 | 156 | 2.3% | 78 | 138 | 347 | 563 | \$38.03 |
| 17-2061 | Computer Hardware Engineers | 827 | 830 | 3 | 0.4% | 2 | 16 | 39 | 57 | \$46.51 |
| 17-2071 | Electrical Engineers | 6,510 | 6,613 | 103 | 1.6% | 52 | 156 | 263 | 471 | \$45.89 |
| 17-2072 | Electronics Engineers, except Computer | 3,902 | 3,891 | -11 | -0.3% | -6 | 92 | 156 | 242 | \$47.62 |
| 17-2081 | Environmental Engineers | 1,145 | 1,148 | 3 | 0.3% | 2 | 27 | 56 | 85 | \$47.52 |
| 17-2111 | Health and Safety Engineers, except Mining Safety Engineers and Inspectors | 499 | 506 | 7 | 1.4% | 4 | 11 | 20 | 35 | \$39.87 |
| 17-2112 | Industrial Engineers | 14,433 | 15,003 | 570 | 3.9% | 285 | 321 | 589 | 1,195 | \$38.24 |

| | | Emplo | oyment | Chang | ne in | | | | | Median |
|---------|--|--------------|-----------|-----------|-------|-----------|----------|------------|-------|----------------------------------|
| soc | | 2021 | 2023 | Employ | - | | Annual | Openings | | Wage*** |
| | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 17-2131 | Materials Engineers | 2,136 | 2,175 | 39 | 1.8% | 20 | 44 | 84 | 148 | \$42.11 |
| 17-2141 | Mechanical Engineers | 14,085 | 14,446 | 361 | 2.6% | 180 | 245 | 587 | 1,012 | \$37.96 |
| 17-2171 | Petroleum Engineers | 838 | 842 | 4 | 0.5% | 2 | 16 | 38 | 56 | \$48.15 |
| 17-2199 | Engineers, All Other | 7,416 | 7,460 | 44 | 0.6% | 22 | 158 | 307 | 487 | \$46.88 |
| 17-3011 | Architectural and Civil Drafters | 2,873 | 2,910 | 37 | 1.3% | 18 | 88 | 184 | 290 | \$29.64 |
| 17-3012 | Electrical and Electronics Drafters | 746 | 761 | 15 | 2.0% | 8 | 23 | 48 | 79 | \$29.15 |
| 17-3012 | Mechanical Drafters | 2,033 | 2,032 | -1 | 0.0% | 0 | 62 | 129 | 191 | \$28.74 |
| 17-3021 | Aerospace Engineering and Operations Technicians | 715 | 730 | 15 | 2.1% | 8 | 22 | 44 | 74 | \$29.76 |
| 17-3021 | Civil Engineering Technicians | 1,512 | 1,514 | 2 | 0.1% | 1 | 46 | 93 | 140 | \$29.02 |
| 17-3022 | Electrical and Electronics Engineering Technicians | 3,109 | 3,122 | 13 | 0.1% | 6 | 94 | 192 | 292 | \$29.96 |
| 17-3025 | Environmental Engineering Technicians | 664 | 671 | 7 | 1.1% | 4 | 20 | 41 | 65 | \$22.83 |
| 17-3025 | Industrial Engineering Technicians | 3,182 | 3,242 | 60 | 1.1% | 30 | 96 | 198 | 324 | \$27.65 |
| 17-3020 | Mechanical Engineering Technicians | 2,291 | 2,338 | 47 | 2.1% | 24 | 70 | 130 | 236 | \$28.52 |
| 17-3027 | Surveying and Mapping Technicians | 1,222 | 1,238 | 16 | 1.3% | 8 | 44 | 142 | 158 | \$22.55 |
| 17-3098 | Engineering Technicians, except Drafters, All Other | 2,326 | 2,354 | 28 | 1.2% | 14 | 70 | 100 | 228 | \$23.21 |
| 19-0000 | Life, Physical, and Social Science Occupations | 41,364 | 41,596 | 232 | 0.6% | 116 | 874 | 2,856 | 3,846 | \$31.13 |
| 19-1012 | Food Scientists and Technologists | 834 | 839 | 5 | 0.6% | 2 | 18 | 70 | 90 | \$40.47 |
| 19-1012 | Soil and Plant Scientists | 368 | 363 | -5 | -1.4% | -2 | 8 | 30 | 36 | \$29.63 |
| 19-1013 | Microbiologists | 494 | 500 | -5 6 | 1.2% | 3 | 8 | 35 | 46 | \$23.41 |
| 19-1022 | Zoologists and Wildlife Biologists | 216 | 212 | -4 | -1.9% | -2 | 4 | 15 | 17 | \$30.65 |
| 19-1023 | Biological Scientists, All Other | 339 | 336 | -4 -3 | -0.9% | -2 | 6 | 24 | 28 | \$39.61 |
| 19-1029 | Conservation Scientists | 833 | 820 | -13 | -0.5% | -2 | 16 | 59 | 69 | \$27.66 |
| 19-1031 | Foresters | 200 | 198 | -13 | -1.0% | -0 | 4 | 14 | 17 | \$31.20 |
| 19-1032 | Epidemiologists | 200 | 298 | -2 | 2.8% | -1 | 4 | 14 | 25 | \$36.60 |
| 19-1041 | Medical Scientists, except Epidemiologists | 4,236 | 4,382 | 146 | 3.4% | 73 | 57 | 248 | 378 | \$39.75 |
| 19-1042 | Life Scientists, All Other | 4,230 | 4,382 | -3 | -2.3% | -2 | 2 | 248 | 378 | \$42.10 |
| 19-2012 | Physicists | 376 | 384 | -3 | 2.1% | -2 | 6 | 18 | 28 | \$62.86 |
| 19-2012 | Chemists | 3,364 | 3,429 | 65 | 1.9% | 32 | 50 | 252 | 334 | \$36.46 |
| 19-2031 | Materials Scientists | 3,304 | 3,423 | 3 | 0.9% | 2 | 5 | 232 | 31 | \$30.40 \$45.64 |
| 19-2032 | Environmental Scientists and Specialists, Including Health | 2,064 | 2,049 | -15 | -0.7% | -8 | 34 | 164 | 190 | \$37.30 |
| 19-2041 | Geoscientists, except Hydrologists and Geographers | 308 | 309 | -15 | 0.3% | -8 | 5 | 24 | 29 | \$37.38 |
| 19-2042 | Hydrologists | 308 | 303 | -3 | -0.9% | -2 | 6 | 24 | 30 | \$39.53 |
| 19-2043 | Physical Scientists, All Other | 510 | 505 | -5 | -0.3% | -2 | 7 | 32 | 30 | \$48.15 |
| 19-3011 | Economists | 196 | 195 | -5 | -0.5% | -2 | 4 | 10 | 14 | \$50.35 |
| 19-3022 | Survey Researchers | 209 | 211 | -1 | 1.0% | 1 | 4 | 10 | 14 | \$28.05 |
| 19-3022 | Clinical, Counseling, and School Psychologists | 4,062 | 4,003 | -59 | -1.5% | -30 | 105 | 14 | 233 | \$28.05 |
| 19-3031 | | 4,002 | 206 | -55 | 0.5% | -30 | 6 | 8 | 14 | \$57.85 |
| 19-3032 | Industrial Organizational Psychologists Psychologists, All Other | 1,431 | 1,404 | -27 | -1.9% | -14 | 37 | 6 56 | 79 | \$57.85 |
| 19-3039 | Urban and Regional Planners | 761 | 753 | -27 | -1.1% | -14 -4 | 12 | 50 | 60 | \$30.72 |
| 19-3051 | Social Scientists and Related Workers, All Other | 1,702 | 1,668 | -8 -34 | -1.1% | -4 -17 | 36 | 52 110 | 129 | \$30.72 |
| 19-3099 | Agricultural & Food Scientist Technicians | 524 | 530 | -34 | -2.0% | -17 | 36 | 55 | 69 | \$39.56 \$21.49 ⁺⁺ |
| 19-4010 | Biological Technicians | 524 4,215 | 4,311 | 96 | 2.3% | 48 | 101 | 426 | 575 | \$21.49 |
| 19-4021 | Chemical Technicians | 2,541 | 2,575 | 96 34 | 1.3% | 48 | 45 | 426 230 | 292 | \$23.99 \$23.42 |
| | | | - | | | -1 | 45 37 | | | |
| 19-4042 | Environmental Science and Protection Technicians, Including Health | 1,382 | 1,380 | -2 | -0.1% | | | 130 | 166 | \$21.85 |
| 19-4045 | Geological and Hydrolic Technicians | 191 | 192 | 1 | 0.5% | 0 | 5 | 18 | 23 | |
| 19-4051 | Nuclear Technicians | 468 | 449 | -19 | -4.1% | -10 | 12 | 43 | 45 | \$37.89 |

| | | Emplo | yment | Chang | ie in | | | | Median | |
|--|---|--|---|--|---|---|---|---|---|--|
| soc | | 2021 | 2023 | Employ | | | Annual | Openings | | Wage*** |
| | Occupational Title** | Annual | Projected | 2021-2023 | Percent | Growth | Exits | Tranfers | Total | May 2021 |
| 19-4061 | Social Science Research Assistants | 560 | 570 | 10 | 1.8% | 5 | 15 | 53 | 73 | \$23.59 |
| 19-4071 | Forest and Conservation Technicians | 283 | 278 | -5 | -1.8% | -2 | 8 | 26 | 32 | \$22.40 |
| 19-4092 | Forensic Science Technicians | 430 | 431 | 1 | 0.2% | 0 | 12 | 40 | 52 | \$30.89 |
| 19-4099 | Life, Physical, and Social Science Technicians, All Other | 1,027 | 1,034 | 7 | 0.7% | 4 | 28 | 96 | 128 | \$23.66 |
| 19-5011 | Occupational Health and Safety Specialists | 4,667 | 4,702 | 35 | 0.7% | 18 | 128 | 202 | 348 | \$37.43 |
| 19-5012 | Occupational Health and Safety Technicians | 772 | 780 | 8 | 1.0% | 4 | 21 | 34 | 59 | \$23.46 |
| 21-0000 | Community and Social Service Occupations | 105,186 | 105,435 | 249 | 0.2% | 124 | 3,648 | 6,722 | 10,494 | \$22.91 |
| 21-1012 | Educational, Guidance, School, and Vocational Counselors | 10,729 | 10,481 | -248 | -2.3% | -124 | 345 | 628 | 849 | \$29.39 |
| 21-1013 | Marriage and Family Therapists | 241 | 242 | 1 | 0.4% | 0 | 8 | 14 | 22 | \$24.29 |
| 21-1015 | Rehabilitation Counselors | 4,977 | 5,116 | 139 | 2.8% | 70 | 164 | 299 | 533 | \$18.42 |
| 21-1018 | Substance Abuse, Behavioral Disorder, and Mental Health Counselors | 9,414 | 9,608 | 194 | 2.1% | 97 | 310 | 564 | 971 | \$22.84 |
| 21-1019 | Counselors, All Other | 1,050 | 1,048 | -2 | -0.2% | -1 | 34 | 62 | 95 | \$22.42 |
| 21-1021 | Child, Family, and School Social Workers | 10,731 | 10,681 | -50 | -0.5% | -25 | 300 | 676 | 951 | \$22.95 |
| 21-1022 | Healthcare Social Workers | 7,035 | 6,979 | -56 | -0.8% | -28 | 196 | 443 | 611 | \$29.07 |
| 21-1023 | Mental Health and Substance Abuse Social Workers | 7,397 | 7,475 | 78 | 1.1% | 39 | 208 | 470 | 717 | \$22.55 |
| 21-1029 | Social Workers, All Other | 3,205 | 3,175 | -30 | -0.9% | -15 | 90 | 202 | 277 | \$27.59 |
| 21-1091 | Health Educators | 2,396 | 2,375 | -21 | -0.9% | -10 | 81 | 164 | 235 | \$29.15 |
| 21-1092 | Probation Officers and Correctional Treatment Specialists | 3,068 | 3,018 | -50 | -1.6% | -25 | 66 | 183 | 224 | \$27.02 |
| 21-1093 | Social and Human Service Assistants | 17,110 | 17,099 | -11 | -0.1% | -6 | 682 | 1,290 | 1,966 | \$17.67 |
| 21-1094 | Community Health Workers | 2,121 | 2,151 | 30 | 1.4% | 15 | 72 | 147 | 234 | \$18.48 |
| 21-1099 | Community and Social Service Specialists, All Other | 2,096 | 2,086 | -10 | -0.5% | -5 | 71 | 144 | 210 | \$22.82 |
| 21-2011 | Clergy | 19,076 | 19,309 | 233 | 1.2% | 116 | 788 | 1,108 | 2,012 | \$23.58 |
| 23-0000 | Legal Occupations | 38,248 | 38,167 | -81 | -0.2% | -40 | 1,054 | 1,505 | 2,519 | \$36.21 |
| 23-1011 | Lawyers | 20,889 | 20,884 | -5 | 0.0% | -2 | 452 | 514 | 964 | \$49.18 |
| 23-1012 | Judicial Law Clerks | 189 | 187 | -2 | -1.1% | -1 | 6 | 7 | 12 | \$23.60 |
| | | | | -14 | -1.9% | -7 | 16 | 10 | | \$37.16 |
| 23-1021 | Administrative Law Judges, Adjudicators, and Hearing Officers | 718 | 704 | | | | | 18 | 27 | |
| 23-1022 | Administrative Law Judges, Adjudicators, and Hearing Officers Arbitrators, Mediators, and Conciliators | 366 | 360 | -6 | -1.6% | -3 | 8 | 9 | 14 | \$24.59 |
| 23-1022 23-1023 | | 366 2,437 | 360 2,394 | -6 -43 | -1.6% -1.8% | -3 -22 | 8 52 | 9 60 | 14 90 | \$24.59 \$47.76 |
| 23-1022 23-1023 23-2011 | Arbitrators, Mediators, and Conciliators | 366 2,437 11,014 | 360 2,394 11,065 | -6 -43 51 | -1.6% -1.8% 0.5% | -3 -22 26 | 8 52 427 | 9 60 745 | 14 90 1,198 | \$24.59 \$47.76 \$22.57 |
| 23-1022 23-1023 23-2011 23-2093 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers | 366 2,437 11,014 1,888 | 360 2,394 11,065 1,841 | -6 -43 51 -47 | -1.6% -1.8% 0.5% -2.5% | -3 -22 26 -24 | 8 52 427 68 | 9 60 745 110 | 14 90 1,198 154 | \$24.59 \$47.76 \$22.57 \$23.39 |
| 23-1022 23-1023 23-2011 23-2093 23-2099 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other | 366 2,437 11,014 1,888 747 | 360 2,394 11,065 1,841 732 | -6 -43 51 -47 -15 | -1.6% -1.8% 0.5% -2.5% -2.0% | -3 -22 26 -24 -8 | 8 52 427 68 27 | 9 60 745 110 44 | 14 90 1,198 154 63 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations | 366 2,437 11,014 1,888 747 301,647 | 360 2,394 11,065 1,841 732 293,544 | -6 -43 51 -47 -15 -8,103 | -1.6% -1.8% 0.5% -2.5% -2.0% -2.7% | -3 -22 26 -24 -8 -4,052 | 8 52 427 68 27 11,556 | 9 60 745 110 44 13,336 | 14 90 1,198 154 63 20,840 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 25-1011 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 | 360 2,394 11,065 1,841 732 293,544 2,775 | -6 -43 51 -47 -15 -8,103 -92 | -1.6% -1.8% 0.5% -2.5% -2.0% -2.0% -3.2% | -3 -22 26 -24 -8 -4,052 -46 | 8 52 427 68 27 11,556 126 | 9 60 745 110 44 13,336 132 | 14 90 1,198 154 63 20,840 212 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 25-1011 25-1021 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 | 360 2,394 11,065 1,841 732 293,544 2,775 815 | -6 -43 51 -47 -15 -8,103 -92 -29 | -1.6% -1.8% 0.5% -2.5% -2.0% -2.0% -2.7% -3.2% -3.4% | -3 -22 26 -24 -8 -4,052 -46 -14 | 8 52 427 68 27 11,556 126 37 | 9 60 745 110 44 13,336 132 39 | 14 90 1,198 154 63 20,840 212 62 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 25-1011 25-1021 25-1022 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 | -6 -43 51 -47 -15 -8,103 -92 -29 -56 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% | -3 -22 26 -24 -8 -4,052 -46 -14 -28 | 8 52 427 68 27 11,556 126 37 74 | 9 60 745 110 44 13,336 132 39 77 | 14 90 1,198 154 63 20,840 212 62 123 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 25-1011 25-1021 25-1022 25-1031 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 155 | -6 -43 51 -47 -15 -8,103 -92 -29 -29 -56 -4 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% | -3 -22 26 -24 -8 -46 -14 -14 -28 -2 | 8 52 427 68 27 11,556 126 37 74 7 | 9 60 745 110 44 13,336 132 39 77 8 | 14 90 1,198 154 63 20,840 212 62 123 13 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 25-1011 25-1021 25-1022 25-1031 25-1032 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary Engineering Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 1,513 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 155 1,477 | -6 -43 51 -47 -15 -8,103 -92 -29 -29 -56 -4 -36 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% -2.4% | -3 -22 26 -24 -8 -46 -14 -14 -28 -2 -18 | 8 52 427 68 27 11,556 126 37 74 7 67 | 9 60 745 110 44 13,336 132 39 77 8 8 70 | 14 90 1,198 154 63 20,840 212 62 123 13 119 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** \$103,340 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 25-1011 25-1021 25-1022 25-1031 25-1032 25-1042 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary Engineering Teachers, Postsecondary Biological Science Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 1,513 1,854 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 155 1,477 1,815 | -6 -43 51 -47 -15 -8,103 -92 -29 -29 -56 -4 -36 -39 | -1.6% -1.8% 0.5% -2.5% -2.0% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% -2.4% -2.1% | -3 -22 26 -24 -8 -46 -14 -14 -28 -2 -2 -18 -20 | 8 52 427 68 27 11,556 126 37 74 7 67 82 | 9 60 745 110 44 13,336 132 39 77 8 70 86 | 14 90 1,198 154 63 20,840 212 62 123 13 119 148 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** \$103,340 *** \$79,410 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 25-1011 25-1021 25-1022 25-1031 25-1032 25-1042 25-1051 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary Engineering Teachers, Postsecondary Biological Science Teachers, Postsecondary Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 1,513 1,854 249 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 1,615 1,55 1,477 1,815 240 | -6 -43 51 -47 -15 -92 -29 -29 -56 -4 -36 -39 -9 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% -2.4% -2.1% -3.6% | -3 -22 26 -24 -8 -46 -14 -28 -2 -2 -18 -20 -4 | 8 52 427 68 27 11,556 126 37 74 7 67 82 11 | 9 60 745 110 44 13,336 132 39 77 8 70 86 12 | 14 90 1,198 154 63 20,840 212 62 123 13 119 148 19 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** \$103,340 *** \$79,410 *** \$83,480 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-1011 25-1021 25-1021 25-1022 25-1031 25-1032 25-1042 25-1051 25-1052 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary Engineering Teachers, Postsecondary Biological Science Teachers, Postsecondary Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary Chemistry Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 1,513 1,854 249 749 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 1,615 1,55 1,477 1,815 240 728 | -6 -43 51 -47 -15 -92 -29 -29 -56 -4 -36 -39 -9 -21 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% -2.4% -2.1% -3.6% -2.8% | -3 -22 26 -24 -8 -46 -14 -28 -2 -18 -20 -4 -10 | 8 52 427 68 27 11,556 126 37 74 7 67 82 11 33 | 9 60 745 110 44 13,336 132 39 77 8 70 86 12 34 | 14 90 1,198 154 63 20,840 212 62 123 13 119 148 19 57 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** \$103,340 *** \$79,410 *** \$83,480 *** \$78,100 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-1011 25-1021 25-1022 25-1031 25-1032 25-1042 25-1051 25-1052 25-1053 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary Engineering Teachers, Postsecondary Biological Science Teachers, Postsecondary Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary Chemistry Teachers, Postsecondary Environmental Science Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 1,513 1,854 249 749 128 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 155 1,615 155 1,477 1,815 240 728 125 | -6 -43 51 -47 -15 -92 -29 -29 -56 -4 -36 -39 -9 -21 -3 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% -2.4% -2.1% -3.6% -2.8% -2.3% | -3 -22 26 -24 -8 -46 -14 -28 -2 -18 -20 -4 -10 -2 | 8 52 427 68 27 11,556 126 37 74 7 67 82 11 33 6 | 9 60 745 110 44 13,336 132 39 77 8 70 86 12 34 6 | 14 90 1,198 154 63 20,840 212 62 123 13 119 148 19 57 10 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** \$103,340 *** \$79,410 *** \$83,480 *** \$78,100 *** \$99,040 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-1011 25-1021 25-1022 25-1031 25-1032 25-1042 25-1051 25-1052 25-1053 25-1054 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary Engineering Teachers, Postsecondary Biological Science Teachers, Postsecondary Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary Chemistry Teachers, Postsecondary Environmental Science Teachers, Postsecondary Physics Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 1,513 1,854 249 749 128 503 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 1,615 1,55 1,477 1,815 240 728 125 489 | -6 -43 51 -47 -15 -92 -29 -56 -4 -36 -39 -9 -21 -3 -14 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% -2.4% -2.1% -3.6% -2.8% -2.3% -2.8% | -3 -22 26 -24 -8 -46 -14 -28 -2 -18 -20 -4 -10 -2 -7 | 8 52 427 68 27 11,556 126 37 74 7 67 82 11 33 6 22 | 9 60 745 110 44 13,336 132 39 77 8 70 86 12 34 6 23 | 14 90 1,198 154 63 20,840 212 62 123 13 119 148 19 57 10 38 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** \$103,340 *** \$79,410 *** \$83,480 *** \$78,100 *** \$99,040 *** \$77,630 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-1011 25-1021 25-1022 25-1031 25-1032 25-1042 25-1051 25-1052 25-1053 25-1054 25-1061 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary Biological Science Teachers, Postsecondary Biological Science Teachers, Postsecondary Chemistry Teachers, Postsecondary Environmental Science Teachers, Postsecondary Environmental Science Teachers, Postsecondary Anthropology and Archeology Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 1,513 1,854 249 749 128 503 165 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 155 1,615 155 1,477 1,815 240 728 125 489 161 | -6 -43 51 -47 -15 -92 -29 -56 -4 -36 -39 -9 -21 -3 -14 -4 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% -2.4% -2.1% -3.6% -2.8% -2.3% -2.8% -2.8% -2.8% -2.4% | -3 -22 26 -24 -8 -46 -14 -28 -2 -18 -20 -46 -17 -2 | 8 52 427 68 27 11,556 126 37 74 7 67 82 11 33 6 6 22 8 | 9 60 745 110 44 13,336 132 39 77 8 70 86 12 34 6 23 8 | 14 90 1,198 154 63 20,840 212 62 123 13 119 148 19 57 10 38 14 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** \$103,340 *** \$79,410 *** \$83,480 *** \$78,100 *** \$99,040 *** \$77,630 *** \$81,440 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 25-1011 25-1021 25-1022 25-1031 25-1032 25-1042 25-1051 25-1052 25-1053 25-1054 25-1061 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary Biological Science Teachers, Postsecondary Biological Science Teachers, Postsecondary Chemistry Teachers, Postsecondary Environmental Science Teachers, Postsecondary Environmental Science Teachers, Postsecondary Anthropology and Archeology Teachers, Postsecondary Anthropology and Archeology Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 1,513 1,854 249 749 128 503 165 211 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 155 1,477 1,815 240 728 125 489 161 206 | -6 -43 51 -47 -15 -92 -29 -56 -4 -36 -39 -9 -21 -3 -14 -4 -5 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% -2.4% -2.1% -3.6% -2.8% -2.8% -2.3% -2.8% -2.8% -2.4% -2.4% | -3 -22 26 -24 -8 -46 -14 -28 -2 -18 -20 -46 -14 -28 -27 -10 -2 -7 -2 -2 -2 -7 -2 -2 | 8 52 427 68 27 11,556 126 37 74 7 67 82 11 33 6 6 222 8 10 | 9 60 745 110 44 13,336 132 39 77 8 70 86 12 34 6 23 8 10 | 14 90 1,198 154 63 20,840 212 62 123 13 119 148 19 57 10 38 14 18 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** \$103,340 *** \$79,410 *** \$83,480 *** \$79,410 *** \$83,480 *** \$77,630 *** \$81,440 *** \$80,360 *** |
| 23-1022 23-1023 23-2011 23-2093 23-2099 25-0000 25-1011 25-1021 25-1022 25-1031 25-1032 25-1042 25-1051 25-1052 25-1053 25-1054 | Arbitrators, Mediators, and Conciliators Judges, Magistrate Judges, and Magistrates Paralegals and Legal Assistants Title Examiners, Abstractors, and Searchers Legal Support Workers, All Other Education, Training, and Library Occupations Business Teachers, Postsecondary Computer Science Teachers, Postsecondary Mathematical Science Teachers, Postsecondary Architecture Teachers, Postsecondary Biological Science Teachers, Postsecondary Biological Science Teachers, Postsecondary Chemistry Teachers, Postsecondary Environmental Science Teachers, Postsecondary Environmental Science Teachers, Postsecondary Anthropology and Archeology Teachers, Postsecondary | 366 2,437 11,014 1,888 747 301,647 2,867 844 1,671 159 1,513 1,854 249 749 128 503 165 | 360 2,394 11,065 1,841 732 293,544 2,775 815 1,615 155 1,615 155 1,477 1,815 240 728 125 489 161 | -6 -43 51 -47 -15 -92 -29 -56 -4 -36 -39 -9 -21 -3 -14 -4 | -1.6% -1.8% 0.5% -2.5% -2.0% -3.2% -3.2% -3.4% -3.4% -2.5% -2.4% -2.1% -3.6% -2.8% -2.3% -2.8% -2.8% -2.8% -2.4% | -3 -22 26 -24 -8 -46 -14 -28 -2 -18 -20 -46 -17 -2 | 8 52 427 68 27 11,556 126 37 74 7 67 82 11 33 6 6 22 8 | 9 60 745 110 44 13,336 132 39 77 8 70 86 12 34 6 23 8 | 14 90 1,198 154 63 20,840 212 62 123 13 119 148 19 57 10 38 14 | \$24.59 \$47.76 \$22.57 \$23.39 \$27.91 \$29.13 \$77,890 *** \$81,680 *** \$77,740 *** \$98,070 *** \$103,340 *** \$79,410 *** \$83,480 *** \$78,100 *** \$99,040 *** \$77,630 *** \$81,440 *** |

| | | Emplo | oyment | Chang | in in | | | | | |
|---------|---|--------|-----------|-----------|---------|--------|--------|----------|-------|-------------------|
| soc | | 2021 | 2023 | Employ | • | | Annual | Openings | | Median Wage*** |
| | Occupational Title** | Annual | Projected | 2021-2023 | Percent | Growth | Exits | Tranfers | Total | May 2021 |
| 25-1065 | Political Science Teachers, Postsecondary | 412 | 402 | -10 | -2.4% | -5 | 18 | 19 | 32 | \$79,270 +++ |
| 25-1066 | Psychology Teachers, Postsecondary | 1,305 | 1,270 | -35 | -2.7% | -18 | 58 | 60 | 100 | \$81,120 *** |
| 25-1067 | Sociology Teachers, Postsecondary | 401 | 390 | -11 | -2.7% | -6 | 18 | 18 | 30 | \$77,980 *** |
| 25-1069 | Social Sciences Teachers, Postsecondary, All Other | 291 | 278 | -13 | -4.5% | -6 | 12 | 14 | 20 | \$64,440 *** |
| 25-1071 | Health Specialties Teachers, Postsecondary | 9,241 | 9,287 | 46 | 0.5% | 23 | 414 | 433 | 870 | \$107,630 *** |
| 25-1072 | Nursing Instructors and Teachers, Postsecondary | 2,806 | 2,800 | -6 | -0.2% | -3 | 126 | 131 | 254 | \$77,100 +++ |
| 25-1081 | Education Teachers, Postsecondary | 1,964 | 1,911 | -53 | -2.7% | -26 | 86 | 90 | 150 | \$62,850 +++ |
| 25-1082 | Library Science Teachers, Postsecondary | 137 | 132 | -5 | -3.6% | -2 | 6 | 6 | 10 | \$63,950 *** |
| 25-1111 | Criminal Justice and Law Enforcement Teachers, Postsecondary | 670 | 648 | -22 | -3.3% | -11 | 30 | 31 | 50 | \$60,920 *** |
| 25-1112 | Law Teachers, Postsecondary | 396 | 386 | -10 | -2.5% | -5 | 18 | 18 | 31 | \$117,010 +++ |
| 25-1113 | Social Work Teachers, Postsecondary | 528 | 514 | -14 | -2.7% | -7 | 24 | 24 | 41 | \$77,630 *** |
| 25-1121 | Art, Drama, and Music Teachers, Postsecondary | 3,397 | 3,320 | -77 | -2.3% | -38 | 150 | 157 | 269 | \$64,100 *** |
| 25-1122 | Communications Teachers, Postsecondary | 960 | 932 | -28 | -2.9% | -14 | 42 | 44 | 72 | \$77,630 *** |
| 25-1123 | English Language and Literature Teachers, Postsecondary | 2,038 | 1,971 | -67 | -3.3% | -34 | 90 | 94 | 150 | \$63,900 +++ |
| 25-1124 | Foreign Language and Literature Teachers, Postsecondary | 993 | 966 | -27 | -2.7% | -14 | 44 | 46 | 76 | \$64,520 *** |
| 25-1125 | History Teachers, Postsecondary | 788 | 766 | -22 | -2.8% | -11 | 35 | 36 | 60 | \$79,410 *** |
| 25-1126 | Philosophy and Religion Teachers, Postsecondary | 890 | 870 | -20 | -2.2% | -10 | 40 | 41 | 71 | \$78,370 *** |
| 25-1192 | Home Economics Teachers, Postsecondary | 137 | 133 | -4 | -2.9% | -2 | 6 | 6 | 10 | \$69,550 *** |
| 25-1193 | Recreation and Fitness Studies Teachers, Postsecondary | 557 | 540 | -17 | -3.1% | -8 | 24 | 26 | 42 | \$63,740 *** |
| 25-1194 | Vocational Education Teachers, Postsecondary | 2,180 | 2,152 | -28 | -1.3% | -14 | 97 | 101 | 184 | \$24.54 |
| 25-1199 | Postsecondary Teachers, All Other | 3,359 | 3,215 | -144 | -4.3% | -72 | 147 | 154 | 229 | \$61,590 *** |
| 25-2011 | Preschool Teachers, except Special Education | 14,022 | 13,926 | -96 | -0.7% | -48 | 573 | 815 | 1,340 | \$13.89 |
| 25-2012 | Kindergarten Teachers, except Special Education | 2,830 | 2,735 | -95 | -3.4% | -48 | 114 | 162 | 228 | \$60,670 *** |
| 25-2021 | Elementary School Teachers, except Special Education | 51,216 | 49,400 | -1,816 | -3.5% | -908 | 1,544 | 2,016 | 2,652 | \$64,410 +++ |
| 25-2022 | Middle School Teachers, except Special and Career/Technical Education | 27,698 | 26,721 | -977 | -3.5% | -488 | 835 | 1,090 | 1,437 | \$63,670 *** |
| 25-2031 | Secondary School Teachers, except Special and Career/Technical Education | 48,209 | 46,566 | -1,643 | -3.4% | -822 | 1,257 | 1,922 | 2,357 | \$75,330 +++ |
| 25-2032 | Career/Technical Education Teachers, Secondary School | 5,072 | 4,894 | -178 | -3.5% | -89 | 132 | 202 | 245 | \$76,880 +++ |
| 25-2052 | Special Education Teachers, Kindergarten and Elementary School | 6,360 | 6,146 | -214 | -3.4% | -107 | 204 | 248 | 345 | \$70,900 *** |
| 25-2057 | Special Education Teachers, Middle School | 3,472 | 3,349 | -123 | -3.5% | -62 | 111 | 136 | 185 | \$58,220 +++ |
| 25-2058 | Special Education Teachers, Secondary School | 7,987 | 7,753 | -234 | -2.9% | -117 | 256 | 313 | 452 | \$62,010 +++ |
| 25-2059 | Special Education Teachers, All Other | 918 | 917 | -1 | -0.1% | 0 | 30 | 36 | 66 | \$47,140 *** |
| 25-3011 | Adult Basic and Secondary Education and Literacy Teachers and Instructors | 927 | 885 | -42 | -4.5% | -21 | 54 | 48 | 81 | \$24.10 |
| 25-3021 | Self-Enrichment Education Teachers | 10,431 | 10,612 | 181 | 1.7% | 90 | 628 | 564 | 1,282 | \$14.64 |
| 25-3031 | Substitute Teachers | 7,295 | 7,137 | -158 | -2.2% | -79 | 430 | 386 | 737 | \$13.92 |
| 25-3097 | Teachers and Instructors, All Other, except Substitute Teachers | 8,296 | 8,187 | -109 | -1.3% | -54 | 492 | 442 | 880 | \$60,040 *** |
| 25-4011 | Archivists | 127 | 124 | -3 | -2.4% | -2 | 6 | 8 | 12 | \$23.62 |
| 25-4012 | Curators | 276 | 265 | -11 | -4.0% | -6 | 14 | 16 | 24 | \$23.80 |
| 25-4013 | Museum Technicians and Conservators | 235 | 223 | -12 | -5.1% | -6 | 12 | 14 | 20 | \$22.61 |
| 25-4022 | Librarians and Media Collections Specialists | 4,994 | 4,880 | -114 | -2.3% | -57 | 243 | 216 | 402 | \$23.62 |
| 25-4031 | Library Technicians | 3,404 | 3,276 | -128 | -3.8% | -64 | 275 | 206 | 417 | \$16.71 |
| 25-9031 | Instructional Coordinators | 4,660 | 4,525 | -135 | -2.9% | -68 | 226 | 200 | 358 | \$29.83 |
| 25-9044 | Teaching Assistants, Postsecondary | 3,824 | 3,704 | -120 | -3.1% | -60 | 168 | 176 | 284 | \$30,070 +++ |
| 25-9045 | Teaching Assistants, except Postsecondary | 41,163 | 40,058 | -1,105 | -2.7% | -552 | 1,816 | 1,898 | 3,162 | \$28,820 +++ |
| 27-0000 | Arts, Design, Entertainment, Sports, and Media Occupations | 81,163 | 80,097 | -1,066 | -1.3% | -533 | 3,168 | 5,118 | 7,753 | \$23.05 |
| 27-1011 | Art Directors | 1,919 | 1,876 | -43 | -2.2% | -22 | 92 | 99 | 169 | \$39.68 |
| 27-1012 | Craft Artists | 454 | 435 | -19 | -4.2% | -10 | 22 | 23 | 35 | \$18.21 |

| | | Emplo | yment | Chang | ie in | T | | | | Median |
|-------------------|---|---------|-------------------|-----------|--------|----------|-------|----------|--------|--------------|
| soc | | 2021 | 2023 Employment A | | Annual | Openings | | Wage*** | | |
| Code ¹ | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 27-1013 | Fine Artists, Including Painters, Sculptors, and Illustrators | 958 | 955 | -3 | -0.3% | -2 | 46 | 50 | 94 | \$22.28 |
| 27-1014 | Multimedia Artists and Animators | 474 | 455 | -19 | -4.0% | -10 | 22 | 24 | 36 | \$41.45 + |
| 27-1019 | Artists and Related Workers, AO | 203 | 199 | -4 | -2.0% | -2 | 10 | 10 | 18 | \$32.38 |
| 27-1021 | Commercial and Industrial Designers | 1,145 | 1,154 | 9 | 0.8% | 4 | 35 | 68 | 107 | \$30.43 |
| 27-1022 | Fashion Designers | 338 | 334 | -4 | -1.2% | -2 | 10 | 20 | 28 | \$23.71 |
| 27-1023 | Floral Designers | 1,726 | 1,735 | 9 | 0.5% | 4 | 53 | 103 | 160 | \$13.70 |
| 27-1024 | Graphic Designers | 9,067 | 8,930 | -137 | -1.5% | -68 | 274 | 535 | 741 | \$23.53 |
| 27-1025 | Interior Designers | 3,065 | 3,081 | 16 | 0.5% | 8 | 94 | 183 | 285 | \$23.89 |
| 27-1026 | Merchandise Displayers and Window Trimmers | 5,103 | 5,146 | 43 | 0.8% | 22 | 156 | 305 | 483 | \$14.52 |
| 27-1027 | Set and Exhibit Designers | 498 | 481 | -17 | -3.4% | -8 | 15 | 29 | 36 | \$28.36 |
| 27-1029 | Designers, AO | 261 | 260 | -1 | -0.4% | 0 | 8 | 16 | 24 | \$22.66 |
| 27-2011 | Actors | 648 | 656 | 8 | 1.2% | 4 | 28 | 44 | 76 | \$9.44 |
| 27-2012 | Producers and Directors | 1,890 | 1,809 | -81 | -4.3% | -40 | 40 | 117 | 117 | \$28.81 |
| 27-2021 | Athletes and Sports Competitors | 198 | 200 | 2 | 1.0% | 1 | 12 | 16 | 29 | |
| 27-2022 | Coaches and Scouts | 13,488 | 13,226 | -262 | -1.9% | -131 | 759 | 1,074 | 1,702 | \$36,870 +++ |
| 27-2041 | Music Directors and Composers | 2,175 | 2,193 | 18 | 0.8% | 9 | 128 | 122 | 259 | \$27.65 |
| 27-2042 | Musicians and Singers | 5,749 | 5,817 | 68 | 1.2% | 34 | 340 | 324 | 698 | \$47.38 |
| 27-2090 | Miscellaneous Entertainers and Performers, sports and related workers | 382 | 339 | -43 | -11.3% | -22 | 14 | 20 | 12 | \$23.60 ++ |
| 27-3011 | Radio and Television Announcers | 1,011 | 944 | -67 | -6.6% | -34 | 38 | 54 | 58 | \$14.04 |
| 27-3023 | News Analysts, Reporters, and Journalists | 1,689 | 1,488 | -201 | -11.9% | -100 | 47 | 122 | 69 | \$18.45 |
| 27-3031 | Public Relations Specialists | 7,922 | 7,889 | -33 | -0.4% | -16 | 198 | 519 | 701 | \$29.79 |
| 27-3041 | Editors | 2,334 | 2,093 | -241 | -10.3% | -120 | 72 | 139 | 91 | \$29.24 |
| 27-3042 | Technical Writers | 1,400 | 1,410 | 10 | 0.7% | 5 | 37 | 88 | 130 | \$30.43 |
| 27-3043 | Writers and Authors | 3,429 | 3,252 | -177 | -5.2% | -88 | 134 | 184 | 230 | \$24.06 |
| 27-3091 | Interpreters and Translators | 4,184 | 4,365 | 181 | 4.3% | 90 | 166 | 234 | 490 | \$23.29 |
| 27-3092 | Court Reporters and Simultaneous Captioners | 456 | 447 | -9 | -2.0% | -4 | 16 | 26 | 38 | \$29.65 |
| 27-3099 | Media and Communication Workers, All Other | 1,064 | 1,083 | 19 | 1.8% | 10 | 42 | 58 | 110 | \$17.80 |
| 27-4011 | Audio and Video Equipment Technicians | 1,665 | 1,651 | -14 | -0.8% | -7 | 43 | 122 | 158 | \$22.08 |
| 27-4012 | Broadcast Technicians | 707 | 671 | -36 | -5.1% | -18 | 18 | 50 | 50 | \$18.72 |
| 27-4014 | Sound Engineering Technicians | 182 | 167 | -15 | -8.2% | -8 | 4 | 13 | 9 | \$22.13 |
| 27-4021 | Photographers | 3,882 | 3,878 | -4 | -0.1% | -2 | 131 | 218 | 347 | \$17.44 |
| 27-4031 | Camera Operators, Television, Video, and Motion Picture | 287 | 280 | -7 | -2.4% | -4 | 9 | 18 | 23 | \$18.22 |
| 27-4032 | Film and Video Editors | 337 | 328 | -9 | -2.7% | -4 | 10 | 20 | 26 | \$23.15 |
| 27-4098 | Lighting Technicians and Media and Communication Equipment Workers, All Other | 246 | 241 | -5 | -2.0% | -2 | 6 | 18 | 22 | \$30.96 |
| 29-0000 | Healthcare Practitioners and Technical Occupations | 377,117 | 377,605 | 488 | 0.1% | 244 | 9,669 | 11,354 | 21,267 | \$30.04 |
| 29-1011 | Chiropractors | 1,945 | 1,894 | -51 | -2.6% | -26 | 28 | 16 | 18 | \$29.26 |
| 29-1021 | Dentists, General | 3,897 | 3,881 | -16 | -0.4% | -8 | 72 | 32 | 96 | \$79.89 |
| 29-1029 | Dentists, All Other Specialists | 221 | 219 | -2 | -0.9% | -1 | 4 | 2 | 5 | # |
| 29-1031 | Dietitians and Nutritionists | 2,483 | 2,461 | -22 | -0.9% | -11 | 80 | 86 | 155 | \$29.26 |
| 29-1041 | Optometrists | 1,692 | 1,657 | -35 | -2.1% | -18 | 30 | 20 | 32 | \$49.04 |
| 29-1051 | Pharmacists | 13,200 | 13,138 | -62 | -0.5% | -31 | 242 | 253 | 464 | \$61.63 |
| 29-1071 | Physician Assistants | 4,608 | 4,874 | 266 | 5.8% | 133 | 74 | 187 | 394 | \$49.29 |
| 29-1081 | Podiatrists | 442 | 425 | -17 | -3.8% | -8 | 12 | 18 | 22 | \$61.91 |
| 29-1122 | Occupational Therapists | 6,159 | 6,115 | -44 | -0.7% | -22 | 132 | 200 | 310 | \$38.47 |
| 29-1123 | Physical Therapists | 9,069 | 9,079 | 10 | 0.1% | 5 | 180 | 188 | 373 | \$45.97 |
| 29-1124 | Radiation Therapists | 531 | 535 | 4 | 0.8% | 2 | 10 | 17 | 29 | \$38.13 |

| | | Emple | oyment | Chan | ge in | | | | | Median |
|---------|---|---------|-----------|-----------|-------|--------|--------|----------|--------|--------------|
| soc | | 2021 | 2023 | Employ | - | | Annual | Openings | | Wage*** |
| | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 29-1125 | Recreational Therapists | 668 | 630 | -38 | -5.7% | -19 | 20 | 28 | 29 | \$22.77 |
| 29-1126 | Respiratory Therapists | 6,552 | 6,777 | 225 | 3.4% | 112 | 142 | 168 | 422 | \$29.41 |
| 29-1127 | Speech-Language Pathologists | 6,545 | 6,599 | 54 | 0.8% | 27 | 153 | 236 | 416 | \$37.71 |
| 29-1128 | Exercise Physiologists | 562 | 572 | 10 | 1.8% | 5 | 18 | 20 | 43 | \$22.60 |
| 29-1129 | Therapists, All Other | 1,251 | 1,261 | 10 | 0.8% | 5 | 38 | 44 | 87 | \$36.16 |
| 29-1131 | Veterinarians | 2,917 | 2,991 | 74 | 2.5% | 37 | 47 | 46 | 130 | \$47.62 |
| 29-1141 | Registered Nurses | 131,334 | 131,484 | 150 | 0.1% | 75 | 3,506 | 3,306 | 6,887 | \$35.62 |
| 29-1151 | Nurse Anesthetists | 3,072 | 3,129 | 57 | 1.9% | 28 | 61 | 93 | 182 | \$80.98 |
| 29-1161 | Nurse Midwives | 345 | 349 | 4 | 1.2% | 2 | 7 | 11 | 20 | \$58.18 |
| 29-1171 | Nurse Practitioners | 9,833 | 10,724 | 891 | 9.1% | 446 | 214 | 322 | 982 | \$49.67 |
| 29-1181 | Audiologists | 989 | 998 | 9 | 0.9% | 4 | 22 | 20 | 46 | \$31.52 |
| 29-1211 | Anesthesiologists | 1,320 | 1,315 | -5 | -0.4% | -2 | 21 | 15 | 34 | # |
| 29-1215 | Family Medicine Physicians | 2,007 | 2,018 | 11 | 0.5% | 6 | 32 | 22 | 60 | \$79.84 |
| 29-1216 | General Internal Medicine Physicians | 1,948 | 1,931 | -17 | -0.9% | -8 | 31 | 22 | 45 | # |
| 29-1218 | Obstetricians and Gynecologists | 955 | 947 | -8 | -0.8% | -4 | 16 | 10 | 22 | \$94.24 |
| 29-1221 | Pediatricians, General | 1,241 | 1,236 | -5 | -0.4% | -2 | 20 | 14 | 32 | \$90.76 |
| 29-1223 | Psychiatrists | 897 | 911 | 14 | 1.6% | 7 | 14 | 10 | 31 | # |
| 29-1228 | Physicians, All Other; and Ophthalmologists, except Pediatric | 17,775 | 17,867 | 92 | 0.5% | 46 | 286 | 201 | 533 | |
| 29-1248 | Surgeons, except Ophthalmologists | 1,326 | 1,317 | -9 | -0.7% | -4 | 21 | 15 | 32 | |
| 29-1292 | Dental Hygienists | 9,361 | 9,384 | 23 | 0.2% | 12 | 336 | 235 | 583 | \$36.94 |
| 29-1298 | Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other | 859 | 846 | -13 | -1.5% | -6 | 37 | 13 | 44 | \$38.23 |
| 29-2010 | Clinical Laboratory Technologists and Technicians | 12,142 | 12,332 | 190 | 1.6% | 95 | 316 | 454 | 865 | \$25.90 |
| 29-2031 | Cardiovascular Technologists and Technicians | 2,021 | 2,050 | 29 | 1.4% | 14 | 56 | 88 | 158 | \$29.47 |
| 29-2032 | Diagnostic Medical Sonographers | 3,109 | 3,210 | 101 | 3.2% | 50 | 86 | 136 | 272 | \$36.06 |
| 29-2033 | Nuclear Medicine Technologists | 963 | 980 | 17 | 1.8% | 8 | 26 | 42 | 76 | \$37.16 |
| 29-2034 | Radiologic Technologists | 9,169 | 9,294 | 125 | 1.4% | 62 | 252 | 397 | 711 | \$28.90 |
| 29-2035 | Magnetic Resonance Imaging Technologists | 1,543 | 1,567 | 24 | 1.6% | 12 | 42 | 67 | 121 | \$36.06 |
| 29-2040 | Emergency Medical Technicians and Paramedics | 8,650 | 8,567 | -83 | -1.0% | -42 | 160 | 398 | 516 | \$17.76 ++ |
| 29-2051 | Dietetic Technicians | 934 | 910 | -24 | -2.6% | -12 | 25 | 40 | 53 | \$14.46 |
| 29-2052 | Pharmacy Technicians | 17,262 | 17,428 | 166 | 1.0% | 83 | 474 | 746 | 1,303 | \$16.89 |
| 29-2053 | Psychiatric Technicians | 1,443 | 1,451 | 8 | 0.6% | 4 | 40 | 62 | 106 | \$14.89 |
| 29-2055 | Surgical Technologists | 3,889 | 3,947 | 58 | 1.5% | 29 | 107 | 168 | 304 | \$23.01 |
| 29-2056 | Veterinary Technologists and Technicians | 3,924 | 4,014 | 90 | 2.3% | 45 | 108 | 170 | 323 | \$17.48 |
| 29-2057 | Ophthalmic Medical Technicians | 2,571 | 2,601 | 30 | 1.2% | 15 | 70 | 111 | 196 | \$17.62 |
| 29-2061 | Licensed Practical and Licensed Vocational Nurses | 39,735 | 37,819 | -1,916 | -4.8% | -958 | 1,308 | 1,618 | 1,968 | \$22.73 |
| 29-2081 | Opticians, Dispensing | 3,247 | 3,239 | -8 | 0.2% | -4 | 134 | 110 | 240 | \$22.04 |
| 29-2091 | Orthotists and Prosthetists | 822 | 847 | 25 | 3.0% | 12 | 23 | 36 | 71 | \$28.80 |
| 29-2092 | Hearing Aid Specialists | 291 | 296 | 5 | 1.7% | 2 | 8 | 12 | 22 | \$23.11 |
| 29-2098 | Healthcare Practitioners and Technical Workers, All Other | 15,767 | 15,824 | 57 | 0.4% | 28 | 431 | 679 | 1,138 | \$18.15 |
| 29-9091 | Athletic Trainers | 1,135 | 1,146 | 11 | 1.0% | 6 | 31 | 49 | 86 | \$47,440 +++ |
| 29-9092 | Genetic Counselors | 115 | 123 | 8 | 7.0% | 4 | 3 | 5 | 12 | \$38.50 |
| 29-9098 | Healthcare Practitioners and Technical Workers, All Other | 2,061 | 2,076 | 15 | 0.7% | 8 | 56 | 89 | 153 | \$17.97 |
| 31-0000 | Healthcare Support Occupations | 229,056 | 226,527 | -2,529 | -1.1% | -1,264 | 13,261 | 14,148 | 26,145 | \$14.14 |
| 31-1120 | Home Health and Personal Care Aides | 93,812 | 94,390 | 578 | 0.6% | 289 | 6,024 | 5,328 | 11,641 | \$11.54 |
| 31-1131 | Nursing Assistants | 61,925 | 57,669 | -4,256 | -6.9% | -2,128 | 3,828 | 3,386 | 5,086 | \$14.34 |
| 31-1132 | Orderlies | 2,462 | 2,494 | 32 | 1.3% | 16 | 158 | 140 | 314 | \$14.25 |

| | | Emple | oyment | Chang | ge in | | | | | Median |
|-------------------|---|---------|-----------|-----------|---------|--------|--------|----------|--------|------------|
| SOC | | 2021 | 2023 | Employ | - | | Annual | Openings | | Wage*** |
| Code ¹ | Occupational Title** | Annual | Projected | 2021-2023 | Percent | Growth | Exits | Tranfers | Total | May 2021 |
| 31-1133 | Psychiatric Aides | 833 | 822 | -11 | -1.3% | -6 | 53 | 47 | 94 | \$17.98 |
| 31-2011 | Occupational Therapy Assistants | 4,443 | 4,517 | 74 | 1.7% | 37 | 223 | 328 | 588 | \$29.51 |
| 31-2012 | Occupational Therapy Aides | 146 | 147 | 1 | 0.7% | 0 | 8 | 10 | 18 | \$19.43 |
| 31-2021 | Physical Therapist Assistants | 6,496 | 6,603 | 107 | 1.6% | 54 | 280 | 494 | 828 | \$29.60 |
| 31-2022 | Physical Therapist Aides | 844 | 840 | -4 | -0.5% | -2 | 36 | 64 | 98 | \$14.01 |
| 31-9011 | Massage Therapists | 3,800 | 3,834 | 34 | 0.9% | 17 | 224 | 200 | 441 | \$22.35 |
| 31-9091 | Dental Assistants | 10,515 | 10,529 | 14 | 0.1% | 7 | 479 | 739 | 1,225 | \$18.77 |
| 31-9092 | Medical Assistants | 27,135 | 27,782 | 647 | 2.4% | 324 | 1,126 | 2,052 | 3,502 | \$17.69 |
| 31-9093 | Medical Equipment Preparers | 2,432 | 2,462 | 30 | 1.2% | 15 | 136 | 162 | 313 | \$18.00 |
| 31-9094 | Medical Transcriptionists | 800 | 771 | -29 | -3.6% | -14 | 41 | 68 | 95 | \$11.59 |
| 31-9095 | Pharmacy Aides | 790 | 761 | -29 | -3.7% | -14 | 40 | 60 | 86 | \$14.07 |
| 31-9096 | Veterinary Assistants and Laboratory Animal Caretakers | 4,170 | 4,269 | 99 | 2.4% | 50 | 207 | 466 | 723 | \$14.22 |
| 31-9097 | Phlebotomists | 6,069 | 6,237 | 168 | 2.8% | 84 | 264 | 448 | 796 | \$17.59 |
| 31-9099 | Healthcare Support Workers, All Other | 2,384 | 2,400 | 16 | 0.7% | 8 | 132 | 158 | 298 | \$18.11 |
| 33-0000 | Protective Service Occupations | 105,784 | 104,780 | -1,004 | -0.9% | -502 | 4,855 | 6,624 | 10,977 | \$22.81 |
| 33-1011 | First-Line Supervisors of Correctional Officers | 546 | 532 | -14 | -2.6% | -7 | 18 | 25 | 36 | \$36.89 |
| 33-1012 | First-Line Supervisors of Police and Detectives | 2,456 | 2,416 | -40 | -1.6% | -20 | 54 | 100 | 134 | \$45.15 |
| 33-1021 | First-Line Supervisors of Fire Fighting and Prevention Workers | 2,052 | 2,022 | -30 | -1.5% | -15 | 48 | 82 | 115 | \$37.42 |
| 33-1090 | Miscellaneous First-Line Supervisors, Protective Service Workers | 2,187 | 2,185 | -2 | -0.1% | -1 | 80 | 128 | 207 | \$25.23 ++ |
| 33-2011 | Firefighters | 17,148 | 16,907 | -241 | -1.4% | -120 | 376 | 879 | 1,135 | \$24.37 |
| 33-2021 | Fire Inspectors and Investigators | 320 | 319 | -1 | -0.3% | 0 | 16 | 16 | 32 | \$46.78 |
| 33-3011 | Bailiffs | 1,332 | 1,298 | -34 | -2.6% | -17 | 50 | 71 | 104 | \$22.58 |
| 33-3012 | Correctional Officers and Jailers | 13,822 | 13,287 | -535 | -3.9% | -268 | 510 | 733 | 975 | \$23.04 |
| 33-3021 | Detectives and Criminal Investigators | 1,966 | 1,927 | -39 | -2.0% | -20 | 50 | 90 | 120 | \$37.30 |
| 33-3031 | Fish and Game Wardens | 138 | 135 | -3 | -2.2% | -2 | 7 | 6 | 11 | \$37.30 |
| 33-3041 | Parking Enforcement Workers | 120 | 108 | -12 | -10.0% | -6 | 6 | 6 | 6 | \$22.58 |
| 33-3051 | Police and Sheriff's Patrol Officers | 23,079 | 22,713 | -366 | -1.6% | -183 | 572 | 1,163 | 1,552 | \$31.06 |
| 33-9011 | Animal Control Workers | 421 | 420 | -1 | -0.2% | 0 | 12 | 22 | 34 | \$17.60 |
| 33-9021 | Private Detectives and Investigators | 1,332 | 1,348 | 16 | 1.2% | 8 | 37 | 78 | 123 | \$23.45 |
| 33-9031 | Gaming Surveillance Officers and Gaming Investigators | 201 | 192 | -9 | -4.5% | -4 | 10 | 15 | 21 | \$21.91 |
| 33-9032 | Security Guards | 26,403 | 26,781 | 378 | 1.4% | 189 | 1,408 | 2,060 | 3,657 | \$13.98 |
| 33-9091 | Crossing Guards | 2,461 | 2,464 | 3 | 0.1% | 2 | 358 | 127 | 487 | \$13.92 |
| 33-9092 | Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers | 4,768 | 4,788 | 20 | 0.4% | 10 | 658 | 530 | 1,198 | \$10.72 |
| 33-9093 | Transportation Security Screeners | 805 | 789 | -16 | -2.0% | -8 | 28 | 40 | 60 | \$21.65 |
| 33-9098 | School Bus Monitors and Protective Service Workers, All Other | 4,020 | 3,943 | -77 | -1.9% | -38 | 548 | 442 | 952 | |
| 35-0000 | Food Preparation and Serving Related Occupations | 426,120 | 431,577 | 5,457 | 1.3% | 2,728 | 32,944 | 43,791 | 79,463 | \$10.96 |
| 35-1011 | Chefs and Head Cooks | 2,510 | 2,530 | 20 | 0.8% | 10 | 76 | 247 | 333 | \$24.28 |
| 35-1012 | First-Line Supervisors of Food Preparation and Serving Workers | 39,373 | 40,197 | 824 | 2.1% | 412 | 1,775 | 4,054 | 6,241 | \$15.65 |
| 35-2011 | Cooks, Fast Food | 18,510 | 18,151 | -359 | -1.9% | -180 | 1,078 | 1,569 | 2,467 | \$10.76 |
| 35-2012 | Cooks, Institution and Cafeteria | 21,377 | 20,345 | -1,032 | -4.8% | -516 | 1,228 | 1,786 | 2,498 | \$14.23 |
| 35-2014 | Cooks, Restaurant | 33,390 | 35,680 | 2,290 | 6.9% | 1,145 | 2,032 | 2,956 | 6,133 | \$13.87 |
| 35-2015 | Cooks, Short Order | 4,291 | 4,348 | 57 | 1.3% | 28 | 254 | 370 | 652 | \$12.14 |
| 35-2021 | Food Preparation Workers | 25,547 | 25,671 | 124 | 0.5% | 62 | 2,012 | 2,355 | 4,429 | \$11.69 |
| 35-3011 | Bartenders | 19,319 | 20,394 | 1,075 | 5.6% | 538 | 900 | 2,406 | 3,844 | \$10.21 |
| 35-3023 | Fast Food and Counter Workers | 152,267 | 153,604 | 1,337 | 0.9% | 668 | 14,828 | 16,168 | 31,664 | \$10.70 |
| 35-3031 | Waiters and Waitresses | 66,495 | 67,653 | 1,158 | 1.7% | 579 | 4,924 | 8,010 | 13,513 | \$9.87 |

| | | Emplo | oyment | Chang | ae in | | | | | Median |
|---------|---|---------|-----------|-----------|-------|--------|--------|----------|--------|-----------|
| soc | | 2021 | 2023 | Employ | - | | Annual | Openings | | Wage*** |
| | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 35-3041 | Food Servers, Nonrestaurant | 11,948 | 11,287 | -661 | -5.5% | -330 | 920 | 906 | 1,496 | \$12.07 |
| 35-9011 | Dining Room and Cafeteria Attendants and Bartender Helpers | 6,990 | 7,171 | 181 | 2.6% | 90 | 611 | 613 | 1,314 | \$11.18 |
| 35-9021 | Dishwashers | 11,147 | 11,298 | 151 | 1.4% | 76 | 844 | 938 | 1,858 | \$10.86 |
| 35-9031 | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop | 10,589 | 10,857 | 268 | 2.5% | 134 | 1,270 | 1,208 | 2,612 | \$10.59 |
| 35-9099 | Food Preparation and Serving Related Workers, All Other | 1,863 | 1,883 | 20 | 1.1% | 10 | 162 | 162 | 334 | \$10.72 |
| 37-0000 | Building and Grounds Cleaning and Maintenance Occupations | 162,124 | 163,440 | 1,316 | 0.8% | 658 | 9,214 | 11,928 | 21,800 | \$14.26 |
| 37-1011 | First-Line Supervisors of Housekeeping and Janitorial Workers | 5,913 | 5,905 | -8 | -0.1% | -4 | 254 | 408 | 658 | \$19.46 |
| 37-1012 | First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers | 4,788 | 4,854 | 66 | 1.4% | 33 | 150 | 346 | 529 | \$23.05 |
| 37-2011 | Janitors and Cleaners, except Maids and Housekeeping Cleaners | 77,533 | 78,161 | 628 | 0.8% | 314 | 4,858 | 5,456 | 10,628 | \$14.06 |
| 37-2012 | Maids and Housekeeping Cleaners | 31,341 | 31,092 | -249 | -0.8% | -124 | 2,120 | 2,008 | 4,004 | \$11.80 |
| 37-3011 | Landscaping and Groundskeeping Workers | 39,574 | 40,377 | 803 | 2.0% | 402 | 1,720 | 3,428 | 5,550 | \$14.58 |
| 37-3012 | Pesticide Handlers, Sprayers, and Applicators, Vegetation | 579 | 578 | -1 | -0.2% | 0 | 25 | 50 | 75 | \$19.60 |
| 37-3013 | Tree Trimmers and Pruners | 596 | 610 | 14 | 2.3% | 7 | 26 | 52 | 85 | \$18.79 |
| 37-3019 | Grounds Maintenance Workers, All Other | 137 | 134 | -3 | -2.2% | -2 | 6 | 12 | 16 | \$14.72 |
| 39-0000 | Personal Care and Service Occupations | 122,289 | 121,849 | -440 | -0.4% | -220 | 7,530 | 9,241 | 16,551 | \$11.88 |
| 39-1013 | First-Line Supervisors of Gambling Services Workers | 341 | 313 | -28 | -8.2% | -14 | 12 | 22 | 20 | \$24.27 |
| 39-1098 | FL Sup of Personal Service and Entertainment Workers, except Gambling Services | 5,473 | 5,487 | 14 | 0.3% | 7 | 200 | 380 | 587 | |
| 39-2011 | Animal Trainers | 784 | 814 | 30 | 3.8% | 15 | 37 | 58 | 110 | \$14.24 |
| 39-2021 | Nonfarm Animal Caretakers | 9,156 | 9,577 | 421 | 4.6% | 210 | 601 | 778 | 1,589 | \$11.01 |
| 39-3011 | Gaming Dealers | 1,003 | 911 | -92 | -9.2% | -46 | 52 | 86 | 92 | \$9.31 |
| 39-3031 | Ushers, Lobby Attendants, and Ticket Takers | 2,212 | 2,345 | 133 | 6.0% | 66 | 289 | 232 | 587 | \$10.99 |
| 39-3091 | Amusement and Recreation Attendants | 7,795 | 7,838 | 43 | 0.6% | 22 | 763 | 876 | 1,661 | \$10.38 |
| 39-3093 | Locker Room, Coatroom, and Dressing Room Attendants | 261 | 264 | 3 | 1.1% | 2 | 26 | 30 | 58 | \$13.71 |
| 39-3099 | Entertainment Attendants and Related Workers, All Other | 271 | 281 | 10 | 3.7% | 5 | 27 | 31 | 63 | \$11.62 + |
| 39-4011 | Embalmers | 167 | 164 | -3 | -1.8% | -2 | 10 | 12 | 20 | \$22.26 |
| 39-4021 | Funeral Attendants | 2,413 | 2,373 | -40 | -1.7% | -20 | 135 | 180 | 295 | \$14.08 |
| 39-4031 | Morticians, Undertakers, and Funeral Directors | 1,632 | 1,609 | -23 | -1.4% | -12 | 78 | 110 | 176 | \$29.44 |
| 39-5012 | Hairdressers, Hairstylists, and Cosmetologists | 27,731 | 27,513 | -218 | -0.8% | -109 | 1,463 | 1,534 | 2,888 | \$13.69 |
| 39-5092 | Manicurists and Pedicurists | 3,915 | 3,945 | 30 | 0.8% | 15 | 200 | 208 | 423 | \$11.04 |
| 39-5094 | Skincare Specialists | 1,441 | 1,460 | 19 | 1.3% | 10 | 74 | 76 | 160 | \$18.05 |
| 39-6011 | Baggage Porters and Bellhops | 416 | 428 | 12 | 2.9% | 6 | 22 | 32 | 60 | \$13.73 |
| 39-6012 | Concierges | 833 | 820 | -13 | -1.6% | -6 | 43 | 63 | 100 | \$14.08 |
| 39-7010 | Tour and Travel Guides | 681 | 673 | -8 | -1.2% | -4 | 44 | 63 | 103 | \$13.81 |
| 39-9011 | Childcare Workers | 28,707 | 28,333 | -374 | -1.3% | -187 | 1,919 | 1,992 | 3,724 | \$11.17 |
| 39-9031 | Fitness Trainers and Aerobics Instructors | 9,195 | 9,319 | 124 | 1.3% | 62 | 542 | 879 | 1,483 | \$14.39 |
| 39-9032 | Recreation Workers | 12,531 | 12,084 | -447 | -3.6% | -224 | 721 | 1,168 | 1,665 | \$11.91 |
| 39-9041 | Residential Advisors | 2,750 | 2,716 | -34 | -1.2% | -17 | 138 | 246 | 367 | \$14.64 |
| 39-9098 | Crematory Operators and Personal Care and Service Workers, All Other | 1,512 | 1,524 | 12 | 0.8% | 6 | 86 | 114 | 206 | \$13.63 |
| 41-0000 | Sales and Related Occupations | 502,650 | 501,150 | -1,500 | -0.3% | -750 | 25,334 | 39,280 | 63,864 | \$14.20 |
| 41-1011 | First-Line Supervisors of Retail Sales Workers | 44,794 | 44,460 | -334 | -0.7% | -167 | 1,577 | 3,092 | 4,502 | \$18.23 |
| 41-1012 | First-Line Supervisors of Non-Retail Sales Workers | 11,598 | 11,451 | -147 | -1.3% | -74 | 334 | 685 | 945 | \$37.96 |
| 41-2011 | Cashiers | 105,996 | 104,452 | -1,544 | -1.5% | -772 | 8,952 | 10,074 | 18,254 | \$10.96 |
| 41-2012 | Gambling Change Persons and Booth Cashiers | 311 | 282 | -29 | -9.3% | -14 | 25 | 28 | 39 | \$10.02 |
| 41-2021 | Counter and Rental Clerks | 9,842 | 9,776 | -66 | -0.7% | -33 | 440 | 674 | 1,081 | \$14.23 |
| 41-2022 | Parts Salespersons | 9,307 | 9,457 | 150 | 1.6% | 75 | 396 | 718 | 1,189 | \$14.41 |
| 41-2031 | Retail Salespersons | 135,159 | 135,695 | 536 | 0.4% | 268 | 7,572 | 11,186 | 19,026 | \$12.99 |

| | | Emple | oyment | Chang | ae in | | | | | Median |
|-------------------|--|---------|-----------|-----------|-------|--------|--------|----------|--------|----------|
| soc | | 2021 | 2023 | Employ | - | | Annual | Openings | | Wage*** |
| Code ¹ | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 41-3011 | Advertising Sales Agents | 2,991 | 2,818 | -173 | -5.8% | -86 | 88 | 270 | 272 | \$23.04 |
| 41-3021 | Insurance Sales Agents | 35,176 | 34,709 | -467 | -1.3% | -234 | 1,164 | 1,955 | 2,885 | \$28.43 |
| 41-3031 | Securities, Commodities, and Financial Services Sales Agents | 15,657 | 16,017 | 360 | 2.3% | 180 | 350 | 998 | 1,528 | \$29.51 |
| 41-3041 | Travel Agents | 1,049 | 1,113 | 64 | 6.1% | 32 | 53 | 72 | 157 | \$18.03 |
| 41-3091 | Sales Representatives, Services, Ex. Advertising, Insurance, Financial, and Travel | 29,251 | 29,581 | 330 | 1.1% | 165 | 738 | 2,586 | 3,489 | \$25.14 |
| 41-4011 | Sales Rep., Wholesale & Mfg, Tech./Sci. Prod. | 8,463 | 8,583 | 120 | 1.4% | 60 | 252 | 576 | 888 | \$49.71 |
| 41-4012 | Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod. | 57,706 | 58,065 | 359 | 0.6% | 180 | 1,711 | 3,912 | 5,803 | \$29.71 |
| 41-9011 | Demonstrators and Product Promoters | 1,981 | 1,982 | 1 | 0.1% | 0 | 220 | 131 | 351 | \$14.58 |
| 41-9021 | Real Estate Brokers | 1,682 | 1,705 | 23 | 1.4% | 12 | 70 | 74 | 156 | \$23.25 |
| 41-9022 | Real Estate Sales Agents | 12,460 | 12,657 | 197 | 1.6% | 98 | 522 | 552 | 1,172 | \$17.76 |
| 41-9031 | Sales Engineers | 1,993 | 2,010 | 17 | 0.9% | 8 | 40 | 164 | 212 | \$47.91 |
| 41-9041 | Telemarketers | 10,982 | 10,340 | -642 | -5.8% | -321 | 492 | 1,088 | 1,259 | \$13.53 |
| 41-9099 | Sales and Related Workers, All Other | 4,003 | 3,976 | -27 | -0.7% | -14 | 182 | 327 | 495 | \$13.73 |
| 43-0000 | Office and Administrative Support Occupations | 704,699 | 697,572 | -7,127 | -1.0% | -3,564 | 33,242 | 43,480 | 73,158 | \$18.13 |
| 43-1011 | First-Line Supervisors of Office and Administrative Support Workers | 46,436 | 46,143 | -293 | -0.6% | -146 | 1,718 | 2,829 | 4,401 | \$28.91 |
| 43-2011 | Switchboard Operators, Including Answering Service | 1,993 | 1,888 | -105 | -5.3% | -52 | 101 | 113 | 162 | \$15.02 |
| 43-2021 | Telephone Operators | 363 | 344 | -19 | -5.2% | -10 | 18 | 24 | 32 | \$14.24 |
| 43-2099 | Communications Equipment Operators, All Other | 124 | 121 | -3 | -2.4% | -2 | 3 | 9 | 10 | \$22.66 |
| 43-3011 | Bill and Account Collectors | 8,197 | 7,986 | -211 | -2.6% | -106 | 296 | 574 | 764 | \$17.87 |
| 43-3021 | Billing and Posting Clerks | 19,392 | 19,290 | -102 | -0.5% | -51 | 794 | 1,187 | 1,930 | \$18.12 |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 57,769 | 57,088 | -681 | -1.2% | -340 | 3,366 | 2,932 | 5,958 | \$18.76 |
| 43-3041 | Gaming Cage Workers | 170 | 155 | -15 | -8.8% | -8 | 6 | 12 | 10 | \$13.86 |
| 43-3051 | Payroll and Timekeeping Clerks | 4,644 | 4,469 | -175 | -3.8% | -88 | 216 | 250 | 378 | \$22.45 |
| 43-3061 | Procurement Clerks | 2,687 | 2,659 | -28 | -1.0% | -14 | 74 | 169 | 229 | \$18.45 |
| 43-3071 | Tellers | 17,141 | 17,079 | -62 | -0.4% | -31 | 694 | 1,076 | 1,739 | \$14.53 |
| 43-3099 | Financial Clerks, All Other | 1,662 | 1,708 | 46 | 2.8% | 23 | 58 | 119 | 200 | \$22.78 |
| 43-4011 | Brokerage Clerks | 1,703 | 1,693 | -10 | -0.6% | -5 | 70 | 112 | 177 | \$22.97 |
| 43-4021 | Correspondence Clerks | 329 | 326 | -3 | -0.9% | -2 | 14 | 20 | 32 | \$18.13 |
| 43-4031 | Court, Municipal, and License Clerks | 10,101 | 9,956 | -145 | -1.4% | -72 | 489 | 504 | 921 | \$18.29 |
| 43-4041 | Credit Authorizers, Checkers, and Clerks | 763 | 756 | -7 | -0.9% | -4 | 27 | 46 | 69 | \$22.55 |
| 43-4051 | Customer Service Representatives | 118,623 | 117,907 | -716 | -0.6% | -358 | 5,560 | 9,300 | 14,502 | \$17.89 |
| 43-4061 | Eligibility Interviewers, Government Programs | 4,040 | 3,975 | -65 | -1.6% | -32 | 148 | 208 | 324 | \$22.40 |
| 43-4071 | File Clerks | 2,939 | 2,845 | -94 | -3.2% | -47 | 156 | 178 | 287 | \$17.74 |
| 43-4081 | Hotel, Motel, and Resort Desk Clerks | 3,763 | 3,858 | 95 | 2.5% | 48 | 221 | 404 | 673 | \$11.30 |
| 43-4111 | Interviewers, except Eligibility and Loan | 5,661 | 5,513 | -148 | -2.6% | -74 | 322 | 361 | 609 | \$17.74 |
| 43-4121 | Library Assistants, Clerical | 4,897 | 4,721 | -176 | -3.6% | -88 | 428 | 308 | 648 | \$11.52 |
| 43-4131 | Loan Interviewers and Clerks | 7,747 | 7,883 | 136 | 1.8% | 68 | 225 | 459 | 752 | \$20.05 |
| 43-4141 | New Accounts Clerks | 749 | 744 | -5 | -0.7% | -2 | 24 | 47 | 69 | \$22.04 |
| 43-4151 | Order Clerks | 4,916 | 4,765 | -151 | -3.1% | -76 | 206 | 304 | 434 | \$18.01 |
| 43-4161 | Human Resources Assistants, except Payroll and Timekeeping | 4,342 | 4,290 | -52 | -1.2% | -26 | 166 | 262 | 402 | \$18.57 |
| 43-4171 | Receptionists and Information Clerks | 34,899 | 34,564 | -335 | -1.0% | -168 | 1,938 | 2,400 | 4,170 | \$14.08 |
| 43-4181 | Reservation and Transportation Ticket Agents and Travel Clerks | 2,282 | 2,243 | -39 | -1.7% | -20 | 86 | 161 | 227 | \$18.29 |
| 43-4199 | Information and Record Clerks, All Other | 2,675 | 2,662 | -13 | -0.5% | -6 | 109 | 176 | 279 | \$21.61 |
| 43-5011 | Cargo and Freight Agents | 2,429 | 2,482 | 53 | 2.2% | 26 | 94 | 146 | 266 | \$18.01 |
| 43-5021 | Couriers and Messengers | 3,137 | 3,096 | -41 | -1.3% | -20 | 128 | 170 | 278 | \$14.33 |
| 43-5031 | Police, Fire, and Ambulance Dispatchers | 4,278 | 4,215 | -63 | -1.5% | -32 | 150 | 238 | 356 | \$22.80 |

| 1 | | Emplo | oyment | Chang | ge in | | | | | |
|---|--|---|--|---|---|---|--|---|--|--|
| soc | | 2021 | 2023 | | | Openings | | Wage*** | | |
| Code ¹ | Occupational Title** | Annual | Projected | 2021-2023 | Percent | Growth | Exits | Tranfers | Total | May 2021 |
| 43-5032 | Dispatchers, except Police, Fire, and Ambulance | 6,894 | 6,962 | 68 | 1.0% | 34 | 244 | 388 | 666 | \$18.78 |
| 43-5041 | Meter Readers, Utilities | 1,788 | 1,698 | -90 | -5.0% | -45 | 51 | 76 | 82 | \$23.53 |
| 43-5051 | Postal Service Clerks | 2,751 | 2,745 | -6 | -0.2% | -3 | 126 | 98 | 221 | \$25.14 |
| 43-5052 | Postal Service Mail Carriers | 12,349 | 12,314 | -35 | -0.3% | -18 | 429 | 442 | 853 | \$25.21 |
| 43-5053 | Postal Service Mail Sorters, Processors, and Processing Machine Operators | 3,585 | 3,538 | -47 | -1.3% | -24 | 194 | 116 | 286 | \$22.56 |
| 43-5061 | Production, Planning, and Expediting Clerks | 18,706 | 19,013 | 307 | 1.6% | 154 | 674 | 1,225 | 2,053 | \$23.10 |
| 43-5071 | Shipping, Receiving, and Traffic Clerks | 38,930 | 39,115 | 185 | 0.5% | 92 | 1,425 | 2,294 | 3,811 | \$17.74 |
| 43-5111 | Weighers, Measurers, Checkers, and Samplers, Recordkeeping | 1,646 | 1,700 | 54 | 3.3% | 27 | 63 | 94 | 184 | \$18.08 |
| 43-6011 | Executive Secretaries and Executive Administrative Assistants | 12,957 | 12,303 | -654 | -5.0% | -327 | 642 | 706 | 1,021 | \$29.34 |
| 43-6012 | Legal Secretaries | 4,846 | 4,557 | -289 | -6.0% | -144 | 239 | 262 | 357 | \$21.21 |
| 43-6013 | Medical Secretaries | 32,668 | 32,947 | 279 | 0.9% | 140 | 1,669 | 1,832 | 3,641 | \$17.68 |
| 43-6014 | Secretaries and Administrative Assistants, except Legal, Medical, and Executive | 55,838 | 54,276 | -1,562 | -2.8% | -781 | 2,802 | 3,074 | 5,095 | \$17.94 |
| 43-9021 | Data Entry Keyers | 5,266 | 5,015 | -251 | -4.8% | -126 | 229 | 326 | 429 | \$17.47 |
| 43-9022 | Word Processors and Typists | 1,080 | 977 | -103 | -9.5% | -52 | 62 | 56 | 66 | \$20.91 |
| 43-9031 | Desktop Publishers | 266 | 254 | -12 | -4.5% | -6 | 10 | 18 | 22 | \$23.71 |
| 43-9041 | Insurance Claims and Policy Processing Clerks | 9,645 | 9,449 | -196 | -2.0% | -98 | 336 | 560 | 798 | \$21.81 |
| 43-9051 | Mail Clerks and Mail Machine Operators, except Postal Service | 3,261 | 3,163 | -98 | -3.0% | -49 | 162 | 201 | 314 | \$14.22 |
| 43-9061 | Office Clerks, General | 105,201 | 104.033 | -1,168 | -1.1% | -584 | 5,709 | 6,204 | 11,329 | \$17.85 |
| 43-9071 | Office Machine Operators, except Computer | 2,397 | 2,321 | -76 | -3.2% | -38 | 123 | 142 | 227 | \$17.94 |
| 43-9081 | Proofreaders and Copy Markers | 109 | 106 | -3 | -2.8% | -2 | 6 | 7 | 11 | \$18.36 |
| 43-9111 | Statistical Assistants | 396 | 403 | 7 | 1.8% | 4 | 10 | 36 | 50 | \$28.89 |
| 43-9199 | Office and Administrative Support Workers, All Other | 3,269 | 3,259 | -10 | -0.3% | -5 | 135 | 226 | 356 | \$21.55 |
| 45-0000 | Farming, Fishing, and Forestry Occupations | 15,603 | 15,703 | 100 | 0.6% | 50 | 654 | 1,776 | 2,480 | \$15.06 |
| 45-1011 | First-Line Supervisors of Farming, Fishing, and Forestry Workers | 881 | 889 | 8 | 0.9% | 4 | 32 | 92 | 128 | \$28.56 |
| 45-2011 | Agricultural Inspectors | 259 | 256 | -3 | -1.2% | -2 | 12 | 30 | 40 | \$29.34 |
| | | | | | 0.00/ | | 0 | | | |
| 45-2021 | Animal Breeders | 211 | 209 | -2 | -0.9% | -1 | 9 | 24 | 32 | \$19.28 ⁺ |
| 45-2021 45-2041 | | 211 683 | 209 686 | -2 3 | -0.9% | -1 2 | 9 27 | 24 74 | 32 103 | \$19.28 + \$14.25 |
| 45-2041 | Animal Breeders Graders and Sorters, Agricultural Products Agricultural Equipment Operators | | | 3 | | | | | | |
| 45-2041 45-2091 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators | 683 1,400 | 686 1,427 | | 0.4% | 2 | 27 | 74 162 | 103 236 | \$14.25 |
| 45-2041 | Graders and Sorters, Agricultural Products | 683 1,400 10,112 | 686 1,427 10,193 | 3 27 | 0.4% 1.9% | 2 14 | 27 60 | 74 | 103 | \$14.25 \$21.85 |
| 45-2041 45-2091 45-2092 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals | 683 1,400 | 686 1,427 | 3 27 81 | 0.4% 1.9% 0.8% | 2 14 40 | 27 60 430 | 74 162 1,160 | 103 236 1,630 | \$14.25 \$21.85 \$14.52 |
| 45-2041 45-2091 45-2092 45-2093 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 683 1,400 10,112 1,384 | 686 1,427 10,193 1,366 | 3 27 81 -18 | 0.4% 1.9% 0.8% -1.3% | 2 14 40 -9 | 27 60 430 58 | 74 162 1,160 157 | 103 236 1,630 206 | \$14.25 \$21.85 \$14.52 \$14.07 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators | 683 1,400 10,112 1,384 282 | 686 1,427 10,193 1,366 286 | 3 27 81 -18 4 | 0.4% 1.9% 0.8% -1.3% 1.4% | 2 14 40 -9 2 | 27 60 430 58 10 | 74 162 1,160 157 32 | 103 236 1,630 206 44 22,786 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations | 683 1,400 10,112 1,384 282 191,852 | 686 1,427 10,193 1,366 286 199,137 | 3 27 81 -18 4 7,285 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% | 2 14 40 -9 2 3,642 | 27 60 430 58 10 5,814 | 74 162 1,160 157 32 13,330 | 103 236 1,630 206 44 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers | 683 1,400 10,112 1,384 282 191,852 15,866 | 686 1,427 10,193 1,366 286 199,137 16,400 | 3 27 81 -18 4 7,285 534 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% | 2 14 40 -9 2 3,642 267 | 27 60 430 58 10 5,814 456 | 74 162 1,160 157 32 13,330 1,044 | 103 236 1,630 206 44 22,786 1,767 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2011 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers | 683 1,400 10,112 1,384 282 191,852 15,866 744 | 686 1,427 10,193 1,366 286 199,137 16,400 753 | 3 27 81 -18 4 7,285 534 9 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% | 2 14 40 -9 2 3,642 267 4 | 27 60 430 58 10 5,814 456 12 | 74 162 1,160 157 32 13,330 1,044 54 | 103 236 1,630 206 44 22,786 1,767 70 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2011 47-2021 47-2022 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers Brickmasons and Blockmasons | 683 1,400 10,112 1,384 282 191,852 15,866 744 3,139 287 | 686 1,427 10,193 1,366 286 199,137 16,400 753 3,297 | 3 27 81 -18 4 7,285 534 9 158 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% 5.0% | 2 14 40 -9 2 3,642 267 4 79 | 27 60 430 58 10 5,814 456 12 102 | 74 162 1,160 157 32 13,330 1,044 54 198 18 | 103 236 1,630 206 44 22,786 1,767 70 379 36 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 \$29.39 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2011 47-2021 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers Brickmasons and Blockmasons Stonemasons | 683 1,400 10,112 1,384 282 191,852 15,866 744 3,139 | 686 1,427 10,193 1,366 286 199,137 16,400 753 3,297 304 | 3 27 81 -18 4 7,285 534 9 158 17 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% 5.0% 5.9% | 2 14 40 -9 2 3,642 267 4 79 8 | 27 60 430 58 10 5,814 456 12 102 102 | 74 162 1,160 157 32 13,330 1,044 54 198 | 103 236 1,630 206 44 22,786 1,767 70 379 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 \$29.39 \$18.52 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2011 47-2021 47-2022 47-2031 47-2041 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers Brickmasons and Blockmasons Stonemasons Carpenters Carpet Installers | 683 1,400 10,112 1,384 282 191,852 15,866 744 3,139 287 24,846 | 686 1,427 10,193 1,366 286 199,137 16,400 753 3,297 304 25,798 | 3 27 81 -18 4 7,285 534 9 158 17 952 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% 5.0% 5.9% 3.8% -0.1% | 2 14 40 -9 2 3,642 267 4 79 8 8 476 | 27 60 430 58 10 5,814 456 12 102 102 739 | 74 162 1,160 157 32 13,330 1,044 54 198 18 1,580 | 103 236 1,630 206 44 22,786 1,767 70 379 36 2,795 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 \$29.39 \$18.52 \$23.17 \$18.74 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2011 47-2021 47-2022 47-2031 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers Brickmasons and Blockmasons Stonemasons Carpenters | 683 1,400 10,112 1,384 282 191,852 15,866 744 3,139 287 24,846 1,008 | 686 1,427 10,193 1,366 286 199,137 16,400 753 3,297 304 25,798 1,007 | 3 27 81 -18 4 7,285 534 9 158 17 952 -1 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% 5.0% 5.9% 3.8% | 2 14 40 -9 2 3,642 267 4 79 8 476 0 | 27 60 430 58 10 5,814 456 12 102 102 10 739 26 | 74 162 1,160 157 32 13,330 1,044 54 198 18 1,580 58 | 103 236 1,630 206 44 22,786 1,767 70 379 36 2,795 84 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 \$29.39 \$18.52 \$23.17 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2011 47-2021 47-2022 47-2031 47-2041 47-2042 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers Brickmasons and Blockmasons Stonemasons Carpet Installers Floor Layers, except Carpet, Wood, and Hard Tiles | 683 1,400 10,112 1,384 282 191,852 15,866 744 3,139 287 24,846 1,008 861 | 686 1,427 10,193 1,366 286 199,137 16,400 753 3,297 304 25,798 1,007 919 | 3 27 81 -18 4 7,285 534 9 158 17 952 -1 58 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% 5.0% 5.9% 3.8% -0.1% 6.7% | 2 14 40 -9 2 3,642 267 4 79 8 476 0 29 | 27 60 430 58 10 5,814 456 12 102 102 10 739 26 24 | 74 162 1,160 157 32 13,330 1,044 54 198 18 1,580 58 52 | 103 236 1,630 206 44 22,786 1,767 70 379 36 2,795 84 105 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 \$29.39 \$18.52 \$23.17 \$18.74 \$23.11 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2011 47-2021 47-2022 47-2031 47-2041 47-2042 47-2044 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers Brickmasons and Blockmasons Stonemasons Carpet Installers Floor Layers, except Carpet, Wood, and Hard Tiles Tile and Marble Setters | 683 1,400 10,112 1,384 282 191,852 15,866 744 3,139 287 24,846 1,008 861 | 686 1,427 10,193 1,366 286 199,137 16,400 753 3,297 304 25,798 1,007 919 914 | 3 27 81 -18 4 7,285 534 9 158 17 952 -1 58 46 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% 5.0% 5.9% 3.8% -0.1% 6.7% 5.3% | 2 14 40 -9 2 3,642 267 4 79 8 476 0 29 23 | 27 60 430 58 10 5,814 456 12 102 102 10 739 26 24 24 | 74 162 1,160 157 32 13,330 1,044 54 198 1,54 198 18 1,580 58 52 52 52 | 103 236 1,630 206 44 22,786 1,767 70 379 36 2,795 84 105 99 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 \$29.39 \$18.52 \$23.17 \$18.74 \$23.11 \$23.19 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2011 47-2021 47-2021 47-2031 47-2041 47-2042 47-2044 47-2051 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers Brickmasons and Blockmasons Stonemasons Carpet Installers Floor Layers, except Carpet, Wood, and Hard Tiles Tile and Marble Setters Cement Masons and Concrete Finishers | 683 1,400 10,112 1,384 282 191,852 15,866 744 3,139 287 24,846 1,008 861 868 5,053 | 686 1,427 10,193 1,366 286 199,137 16,400 753 3,297 304 25,798 1,007 919 914 5,301 | 3 27 81 -18 4 7,285 534 9 158 17 952 -1 58 46 248 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% 5.0% 5.9% 3.8% -0.1% 6.7% 5.3% 4.9% | 2 14 40 -9 2 3,642 267 4 79 8 476 0 29 23 124 | 27 60 430 58 10 5,814 456 12 102 102 10 739 26 24 24 24 | 74 162 1,160 157 32 13,330 1,044 54 198 1,044 54 198 18 1,580 58 52 52 52 340 | 103 236 1,630 206 44 22,786 1,767 70 379 36 2,795 84 105 99 589 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 \$29.39 \$18.52 \$23.17 \$18.74 \$23.11 \$23.19 \$23.33 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2021 47-2021 47-2022 47-2031 47-2041 47-2044 47-2051 47-2061 47-2071 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers Brickmasons and Blockmasons Stonemasons Carpet Installers Floor Layers, except Carpet, Wood, and Hard Tiles Tile and Marble Setters Cement Masons and Concrete Finishers Construction Laborers Paving, Surfacing, and Tamping Equipment Operators | 683 1,400 10,112 1,384 282 191,852 15,866 744 3,139 287 24,846 1,008 861 38,925 965 | 686 1,427 10,193 1,366 286 199,137 16,400 753 3,297 304 25,798 1,007 919 914 5,301 40,920 1,000 | 3 27 81 -18 4 7,285 534 9 158 17 952 -1 58 46 248 1,995 35 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% 5.0% 5.9% 3.8% -0.1% 6.7% 5.3% 4.9% 5.1% 3.6% | 2 14 40 -9 2 3,642 267 4 79 8 476 0 29 23 124 998 18 | 27 60 430 58 10 5,814 456 12 102 102 10 739 26 24 24 24 125 1,180 | 74 162 1,160 157 32 13,330 1,044 54 198 1,044 54 198 18 1,580 58 52 52 52 52 340 2,696 | 103 236 1,630 206 44 22,786 1,767 70 379 36 2,795 84 105 99 589 4,874 120 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 \$29.39 \$18.52 \$23.17 \$18.74 \$23.11 \$23.19 \$23.33 \$22.22 |
| 45-2041 45-2091 45-2092 45-2093 45-4022 47-0000 47-1011 47-2011 47-2021 47-2021 47-2031 47-2041 47-2042 47-2044 47-2051 47-2061 | Graders and Sorters, Agricultural Products Agricultural Equipment Operators Farmworkers and Laborers, Crop, Nursery, and Greenhouse Farmworkers, Farm, Ranch, and Aquacultural Animals Logging Equipment Operators Construction and Extraction Occupations First-Line Supervisors of Construction Trades and Extraction Workers Boilermakers Brickmasons and Blockmasons Stonemasons Carpet Installers Floor Layers, except Carpet, Wood, and Hard Tiles Tile and Marble Setters Cement Masons and Concrete Finishers Construction Laborers | 683 1,400 10,112 1,384 282 191,852 15,866 744 3,139 287 24,846 1,008 861 5,053 38,925 | 686 1,427 10,193 1,366 286 199,137 16,400 753 3,297 304 25,798 1,007 919 914 5,301 40,920 | 3 27 81 -18 4 7,285 534 9 158 17 952 -1 58 46 248 1,995 | 0.4% 1.9% 0.8% -1.3% 1.4% 3.8% 3.4% 1.2% 5.0% 5.9% 3.8% -0.1% 6.7% 5.3% 4.9% 5.1% | 2 14 40 -9 2 3,642 267 4 79 8 8 476 0 29 23 124 998 | 27 60 430 58 10 5,814 456 12 102 102 100 739 26 24 24 24 125 1,180 32 | 74 162 1,160 157 32 13,330 1,044 54 198 1,044 54 198 18 1,580 58 52 52 52 52 340 2,696 70 | 103 236 1,630 206 44 22,786 1,767 70 379 36 2,795 84 105 99 589 4,874 | \$14.25 \$21.85 \$14.52 \$14.07 \$19.46 \$23.53 \$30.40 \$38.80 \$29.39 \$18.52 \$23.17 \$18.74 \$23.11 \$23.19 \$23.33 \$22.22 \$23.06 |

| | | Emple | oyment | Chang | in in | | | | | Median |
|---------------------------|---|-------------------|-------------------|---------------------|---------------------|----------|---------------------|----------------------|--------------|---------------------------------|
| soc | | 2021 | 2023 | Employ | • | | Annual | Openings | | Wage*** |
| | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 47-2111 | Electricians | 25,497 | 26,617 | 1,120 | 4.4% | 560 | 756 | 1,914 | 3,230 | \$28.55 |
| 47-2121 | Glaziers | 1,422 | 1,511 | 89 | 6.3% | 44 | 40 | 113 | 197 | \$23.92 |
| 47-2131 | Insulation Workers, Floor, Ceiling, and Wall | 731 | 760 | 29 | 4.0% | 14 | 18 | 51 | 83 | \$22.04 |
| 47-2132 | Insulation Workers, Mechanical | 652 | 681 | 29 | 4.4% | 14 | 16 | 46 | 76 | \$28.76 |
| 47-2141 | Painters, Construction and Maintenance | 8,225 | 8,592 | 367 | 4.5% | 184 | 254 | 466 | 904 | \$22.21 |
| 47-2142 | Paperhangers | 279 | 279 | 0 | 0.0% | 0 | 8 | 16 | 24 | \$22.70 |
| 47-2151 | Pipelayers | 715 | 713 | -2 | -0.3% | -1 | 21 | 52 | 72 | \$22.86 |
| 47-2152 | Plumbers, Pipefitters, and Steamfitters | 12,613 | 13,054 | 441 | 3.5% | 220 | 374 | 923 | 1,517 | \$29.65 |
| 47-2161 | Plasterers and Stucco Masons | 12,013 | 13,034 | 12 | 6.4% | 6 | 6 | 10 | 22 | \$20.55 |
| 47-2171 | Reinforcing Iron and Rebar Workers | 187 | 199 | 12 | 5.6% | 5 | 6 | 10 | 23 | \$30.08 |
| 47-2181 | Roofers | 5,082 | 5,458 | 376 | 7.4% | 188 | 130 | 368 | 686 | \$22.53 |
| 47-22101 | Sheet Metal Workers | 3,753 | 3,884 | 131 | 3.5% | 66 | 104 | 248 | 418 | \$28.24 |
| 47-2221 | Structural Iron and Steel Workers | 2,524 | 2,676 | 152 | 6.0% | 76 | 67 | 199 | 342 | \$29.44 |
| 47-2221 | HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters | 548 | 574 | 26 | 4.7% | 13 | 16 | 49 | 78 | \$18.33 |
| 47-3011 | HelpersCarpenters | 334 | 346 | 12 | 3.6% | 6 | 10 | 30 | 46 | \$14.38 |
| 47-3012 | HelpersCarpenters HelpersElectricians | 1,165 | 1,200 | 35 | 3.0% | 18 | 35 | 104 | 157 | \$14.30 |
| 47-3013 | HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters | 715 | 744 | 29 | 4.1% | 18 | 22 | 64 | 100 | \$16.28 |
| 47-3015 | HelpersRoofers | 323 | 349 | 29 | 8.0% | 14 | 10 | 30 | 53 | \$17.97 |
| 47-3018 | Helpers, Construction Trades, All Other | 443 | 460 | 17 | 3.8% | 8 | 10 | 40 | 62 | \$17.01 |
| 47-3019 | Construction and Building Inspectors | 2,816 | 2,758 | -58 | -2.1% | -29 | 14 | 168 | 291 | \$29.41 |
| | Elevator and Escalator Installers and Repairers | 566 | 2,758 | -58 | 4.2% | -29 | 152 | 40 | 65 | \$47.24 |
| 47-4021 | | 776 | 801 | | 3.2% | 12 | 13 | 40 60 | 91 | \$19.33 |
| 47-4031 | Fence Erectors | 2,462 | 2,474 | 25 12 | 0.5% | 6 | 93 | 201 | 300 | |
| 47-4041 | Hazardous Materials Removal Workers | | | -90 | | | 268 | 428 | | \$23.09 |
| 47-4051 | Highway Maintenance Workers | 6,868 578 | 6,778 580 | -90 | -1.6% 0.3% | -45 1 | 268 | 428 | 651 51 | \$22.47 \$27.16 |
| 47-4061 | Rail-Track laying Maintenance Equipment Operators | 1,645 | 1,639 | -6 | -0.4% | -3 | 52 | 136 | 185 | \$27.16 |
| 47-4071 | Septic Tank Servicers and Sewer Pipe Cleaners | | | | | | | | | |
| 47-4090 | Miscellaneous Construction and Related Workers | 634 | 657 | 23 | 3.6% | 12 | 20 | 54 14 | 86 17 | \$17.75 |
| 47-5012 | Rotary Drill Operators, Oil and Gas | 144 | 144 | 0 | 0.0% | 0 | 3 | | | \$23.35 |
| 47-5013 | Service Unit Operators, Oil, Gas, and Mining | 538 | 541 | 3 | 0.6% | 2 | 11 | 52 | 65 | \$22.47 |
| 47-5022 | Excavating and Loading Machine and Dragline Operators, Surface Mining | 527 | 534 | | 1.3% | | 16 | 46 | 66 | \$22.80 |
| 47-5041 | Continuous Mining Machine Operators | 218 | 217 | -1 | -0.5% | 0 | 6 | 18 | 24 | \$29.09 |
| 47-5071 | Roustabouts, Oil and Gas | 554 | 561 | 7 | 1.3% | 4 | 12 | 54 | 70 | \$17.96 |
| 47-5081 | HelpersExtraction Workers | 335 327 | 342 337 | 7 10 | 2.1% | 4 5 | 10 10 | 29 28 | 43 43 | \$18.15 ⁺ \$23.11 |
| 47-5097 | Earth Drillers, except Oil and Gas | | | | 3.1% | | | | | |
| <i>49-0000</i> 49-1011 | Installation, Maintenance, and Repair Occupations | 217,280 16,021 | 220,138 16,176 | 2,858 155 | 1.3% 1.0% | 1,429 | 6,896 467 | 13,778 958 | 22,103 | \$22.98 \$31.22 |
| | First-Line Supervisors of Mechanics, Installers, and Repairers | | , | -14 | -0.4% | 78 -7 | 467 98 | 958 246 | 1,503 337 | |
| 49-2011 | Computer, Automated Teller, and Office Machine Repairers | 3,251 | 3,237 | -14 -2 | | -7 | | | 337 | \$18.37 \$28.88 |
| 49-2021 | Radio, Cellular, and Tower Equipment Installers and Repairers | 276 | 274 | | -0.7% | | 10 | 21 | | |
| 49-2022 | Telecommunications Equipment Installers and Repairers, except Line Installers | 5,803 | 5,652 | -151 | -2.6% | -76 | 199 | 439 | 562 | \$29.20 |
| 49-2091 | Avionics Technicians | 167 | 167 | 0 | 0.0% | 0 | 4 | 8 | 12 | \$28.56 |
| 49-2092 | Electric Motor, Power Tool, and Related Repairers | 735 | 739 | 4 | 0.5% | 2 | 28 | 42 | 72 | \$23.38 |
| 49-2093 | Electrical and Electronics Installers and Repairers, Transportation Equipment | 394 | 392 | -2 | -0.5% | -1 | 11 | 20 | 30 | \$30.03 |
| 49-2094 | Electrical and Electronics Repairers, Commercial and Industrial Equipment | 1,543 | 1,567 | 24 | 1.6% | 12 | 43 | 77 | 132 | \$29.07 |
| 49-2095 | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay | 599 | 578 | -21 | -3.5% | -10 | 16 | 29 | 35 | \$38.58 |
| 49-2096 | Electronic Equipment Installers and Repairers, Motor Vehicles | 613 | 597 | -16 | -2.6% | -8 | 16 | 30 | 38 | \$18.20 |
| 49-2097 | Electronic Home Entertainment Equipment Installers and Repairers | 920 | 939 | 19 | 2.1% | 10 | 30 | 67 | 107 | \$21.68 |

| | | Emplo | oyment | Chang | ge in | | | | | Median |
|-------------------|---|---------|-----------|-----------|---------|--------|----------|----------|---------|----------|
| SOC | | 2021 | 2023 | | | Annual | Openings | | Wage*** | |
| Code ¹ | Occupational Title** | Annual | Projected | 2021-2023 | Percent | Growth | Exits | Tranfers | Total | May 2021 |
| 49-2098 | Security and Fire Alarm Systems Installers | 2,487 | 2,583 | 96 | 3.9% | 48 | 60 | 194 | 302 | \$22.96 |
| 49-3011 | Aircraft Mechanics and Service Technicians | 3,522 | 3,517 | -5 | -0.1% | -2 | 100 | 184 | 282 | \$30.27 |
| 49-3021 | Automotive Body and Related Repairers | 5,749 | 5,809 | 60 | 1.0% | 30 | 183 | 344 | 557 | \$22.42 |
| 49-3022 | Automotive Glass Installers and Repairers | 955 | 976 | 21 | 2.2% | 10 | 31 | 69 | 110 | \$22.45 |
| 49-3023 | Automotive Service Technicians and Mechanics | 28,718 | 28,652 | -66 | -0.2% | -33 | 852 | 1,946 | 2,765 | \$19.42 |
| 49-3031 | Bus and Truck Mechanics and Diesel Engine Specialists | 9,844 | 10,106 | 262 | 2.7% | 131 | 282 | 622 | 1,035 | \$23.00 |
| 49-3041 | Farm Equipment Mechanics and Service Technicians | 1,397 | 1,420 | 23 | 1.6% | 12 | 42 | 95 | 149 | \$21.72 |
| 49-3042 | Mobile Heavy Equipment Mechanics, except Engines | 3,700 | 3,762 | 62 | 1.7% | 31 | 112 | 252 | 395 | \$24.97 |
| 49-3043 | Rail Car Repairers | 838 | 841 | 3 | 0.4% | 2 | 25 | 56 | 83 | \$22.86 |
| 49-3052 | Motorcycle Mechanics | 668 | 715 | 47 | 7.0% | 24 | 30 | 46 | 100 | \$17.95 |
| 49-3053 | Outdoor Power Equipment and Other Small Engine Mechanics | 1,158 | 1,189 | 31 | 2.7% | 16 | 51 | 78 | 145 | \$17.32 |
| 49-3092 | Recreational Vehicle Service Technicians | 388 | 420 | 32 | 8.2% | 16 | 12 | 34 | 62 | \$17.81 |
| 49-3093 | Tire Repairers and Changers | 2,893 | 2,947 | 54 | 1.9% | 27 | 90 | 242 | 359 | \$14.51 |
| 49-9011 | Mechanical Door Repairers | 967 | 1,021 | 54 | 5.6% | 27 | 22 | 56 | 105 | \$19.36 |
| 49-9012 | Control and Valve Installers and Repairers, except Mechanical Door | 1,103 | 1,099 | -4 | -0.4% | -2 | 25 | 62 | 85 | \$34.71 |
| 49-9021 | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 13,905 | 14,399 | 494 | 3.6% | 247 | 363 | 966 | 1,576 | \$23.47 |
| 49-9031 | Home Appliance Repairers | 1,390 | 1,397 | 7 | 0.5% | 4 | 52 | 81 | 137 | \$21.98 |
| 49-9041 | Industrial Machinery Mechanics | 19,536 | 20,527 | 991 | 5.1% | 496 | 616 | 1,082 | 2,194 | \$28.74 |
| 49-9043 | Maintenance Workers, Machinery | 2,758 | 2,855 | 97 | 3.5% | 48 | 93 | 154 | 295 | \$26.28 |
| 49-9044 | Millwrights | 2,415 | 2,503 | 88 | 3.6% | 44 | 71 | 140 | 255 | \$30.12 |
| 49-9051 | Electrical Power-Line Installers and Repairers | 3,579 | 3,526 | -53 | -1.5% | -26 | 66 | 239 | 279 | \$38.13 |
| 49-9052 | Telecommunications Line Installers and Repairers | 4,732 | 4,654 | -78 | -1.6% | -39 | 104 | 396 | 461 | \$22.85 |
| 49-9061 | Camera and Photographic Equipment Repairers | 188 | 190 | 2 | 1.1% | 1 | 8 | 12 | 21 | \$15.42 |
| 49-9062 | Medical Equipment Repairers | 2,587 | 2,609 | 22 | 0.9% | 11 | 114 | 156 | 281 | \$28.82 |
| 49-9063 | Musical Instrument Repairers and Tuners | 418 | 418 | 0 | 0.0% | 0 | 18 | 25 | 43 | \$14.31 |
| 49-9069 | Precision Instrument and Equipment Repairers, All Other | 409 | 417 | 8 | 2.0% | 4 | 18 | 24 | 46 | \$28.92 |
| 49-9071 | Maintenance and Repair Workers, General | 58,441 | 58,943 | 502 | 0.9% | 251 | 2,068 | 3,424 | 5,743 | \$22.36 |
| 49-9091 | Coin, Vending, and Amusement Machine Servicers and Repairers | 1,046 | 1,040 | -6 | -0.6% | -3 | 46 | 76 | 119 | \$17.73 |
| 49-9094 | Locksmiths and Safe Repairers | 402 | 396 | -6 | -1.5% | -3 | 15 | 24 | 36 | \$22.66 |
| 49-9096 | Riggers | 174 | 180 | 6 | 3.4% | 3 | 4 | 14 | 21 | \$27.62 |
| 49-9098 | HelpersInstallation, Maintenance, and Repair Workers | 2,202 | 2,225 | 23 | 1.0% | 12 | 95 | 186 | 293 | \$17.47 |
| 49-9099 | Installation, Maintenance, and Repair Workers, All Other | 7,126 | 7,226 | 100 | 1.4% | 50 | 253 | 479 | 782 | \$18.40 |
| 51-0000 | Production Occupations | 486,268 | 489,547 | 3,279 | 0.7% | 1,640 | 17,994 | 34,637 | 54,271 | \$18.13 |
| 51-1011 | First-Line Supervisors of Production and Operating Workers | 31,076 | 31,528 | 452 | 1.5% | 226 | 942 | 2,106 | 3,274 | \$29.48 |
| 51-2021 | Coil Winders, Tapers, and Finishers | 492 | 474 | -18 | -3.7% | -9 | 20 | 31 | 42 | \$18.35 |
| 51-2028 | Electrical, electronic, electromechanical assemblers, ex winders | 10,556 | 10,806 | 250 | 2.4% | 125 | 430 | 684 | 1,239 | \$17.51 |
| 51-2031 | Engine and Other Machine Assemblers | 6,225 | 6,363 | 138 | 2.2% | 69 | 219 | 466 | 754 | \$23.69 |
| 51-2041 | Structural Metal Fabricators and Fitters | 2,795 | 2,749 | -46 | -1.6% | -23 | 62 | 221 | 260 | \$21.18 |
| 51-2051 | Fiberglass Laminators and Fabricators | 619 | 630 | 11 | 1.8% | 6 | 24 | 44 | 74 | \$16.79 |
| 51-2090 | Miscellaneous Assemblers and Fabricators | 90,484 | 91,183 | 699 | 0.8% | 350 | 3,466 | 6,483 | 10,299 | \$17.78 |
| 51-3011 | Bakers | 7,435 | 7,624 | 189 | 2.5% | 94 | 420 | 563 | 1,077 | \$13.95 |
| 51-3021 | Butchers and Meat Cutters | 4,076 | 4,091 | 15 | 0.4% | 8 | 166 | 303 | 477 | \$14.31 |
| 51-3022 | Meat, Poultry, and Fish Cutters and Trimmers | 2,972 | 2,948 | -24 | -0.8% | -12 | 120 | 220 | 328 | \$14.21 |
| 51-3023 | Slaughterers and Meat Packers | 4,072 | 4,045 | -27 | -0.7% | -14 | 165 | 301 | 452 | \$14.14 |
| 51-3091 | Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders | 492 | 493 | 1 | 0.2% | 0 | 20 | 36 | 56 | \$14.43 |
| 51-3092 | Food Batchmakers | 8,456 | 8,613 | 157 | 1.9% | 78 | 396 | 636 | 1,110 | \$17.21 |

| | | Emple | oyment | Chang | ae in | | | Median | | |
|---------|--|--------|-----------|-----------|------------------------|--------|----------|----------|---------|-----------|
| soc | | 2021 | 2023 | | loyment Annual Opening | | Openings | | Wage*** | |
| | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 51-3093 | Food Cooking Machine Operators and Tenders | 1,500 | 1,502 | 2 | 0.1% | 1 | 106 | 150 | 257 | \$17.58 |
| 51-3099 | Food Processing Workers, All Other | 1,081 | 1,077 | -4 | -0.4% | -2 | 38 | 70 | 106 | \$14.13 |
| 51-4021 | Extruding and Drawing Machine S/O/T, M/P | 5,297 | 5,264 | -33 | -0.6% | -16 | 184 | 326 | 494 | \$18.05 |
| 51-4022 | Forging Machine S/O/T, M/P | 1,131 | 1,107 | -24 | -2.1% | -12 | 39 | 69 | 96 | \$18.61 |
| 51-4023 | Rolling Machine S/O/T, M/P | 4,246 | 4,192 | -54 | -1.3% | -27 | 147 | 260 | 380 | \$23.00 |
| 51-4031 | Cutting, Punching, and Press Machine S/O/T, M/P | 15,728 | 15,977 | 249 | 1.6% | 124 | 503 | 1,090 | 1,717 | \$18.09 |
| 51-4032 | Drilling and Boring Machine Tool S/O/T, M/P | 466 | 455 | -11 | -2.4% | -6 | 15 | 31 | 40 | \$19.05 |
| 51-4033 | Grind/Lapping/Polish/Buff Mach. Tool S/O/T, M/P | 5,800 | 5,767 | -33 | -0.6% | -16 | 260 | 398 | 642 | \$17.49 |
| 51-4034 | Lathe and Turning Machine Tool S/O/T, M/P | 1,891 | 1,885 | -6 | -0.3% | -3 | 62 | 128 | 187 | \$22.42 |
| 51-4035 | Milling and Planing Machine Setters, operators, and Tenders, metal and plastic | 1,263 | 1,228 | -35 | -2.8% | -18 | 40 | 84 | 106 | \$23.03 |
| 51-4041 | Machinists | 23,655 | 24,104 | 449 | 1.9% | 224 | 798 | 1,624 | 2,646 | \$20.87 |
| 51-4051 | Metal-Refining Furnace Operators and Tenders | 913 | 923 | 10 | 1.1% | 5 | 20 | 63 | 88 | \$22.00 |
| 51-4052 | Pourers and Casters, Metal | 966 | 955 | -11 | -1.1% | -6 | 21 | 66 | 81 | \$23.21 |
| 51-4062 | Patternmakers, Metal and Plastic | 229 | 229 | 0 | 0.0% | 0 | 8 | 16 | 24 | \$23.91 |
| 51-4071 | Foundry Mold and Coremakers | 3,421 | 3,381 | -40 | -1.2% | -20 | 110 | 230 | 320 | \$18.35 |
| 51-4072 | Molding, Coremaking, and Casting Machine S/O/T, M/P | 15,770 | 15,770 | 0 | 0.0% | 0 | 513 | 1,068 | 1,581 | \$17.40 |
| 51-4081 | Multiple Machine Tool S/O/T, M/P | 14,118 | 14,613 | 495 | 3.5% | 248 | 467 | 972 | 1,687 | \$18.31 |
| 51-4111 | Tool and Die Makers | 5,777 | 5,890 | 113 | 2.0% | 56 | 215 | 368 | 639 | \$23.86 |
| 51-4121 | Welders, Cutters, Solderers, and Brazers | 17,847 | 18,316 | 469 | 2.6% | 234 | 476 | 1,426 | 2,136 | \$21.64 |
| 51-4122 | Welding, Soldering, and Brazing Machine S/O/T | 1,700 | 1,715 | 15 | 0.9% | 8 | 45 | 134 | 187 | \$18.18 |
| 51-4191 | Heat Treating Equipment S/O/T, M/P | 1,784 | 1,778 | -6 | -0.3% | -3 | 58 | 120 | 175 | \$19.15 |
| 51-4193 | Plating and Coating Machine S/O/T, M/P | 3,032 | 3,020 | -12 | -0.4% | -6 | 98 | 205 | 297 | \$17.62 |
| 51-4194 | Tool Grinders, Filers, and Sharpeners | 309 | 306 | -3 | -1.0% | -2 | 10 | 21 | 29 | \$24.19 |
| 51-4199 | Metal Workers and Plastic Workers, All Other | 807 | 809 | 2 | 0.2% | 1 | 26 | 54 | 81 | \$18.09 |
| 51-5111 | Prepress Technicians and Workers | 1,523 | 1,428 | -95 | -6.2% | -48 | 56 | 142 | 150 | \$21.19 |
| 51-5112 | Printing Press Operators | 8,506 | 8,207 | -299 | -3.5% | -150 | 304 | 588 | 742 | \$18.13 |
| 51-5113 | Print Binding and Finishing Workers | 2,212 | 2,061 | -151 | -6.8% | -76 | 105 | 134 | 163 | \$17.11 |
| 51-6011 | Laundry and Dry-Cleaning Workers | 6,501 | 6,236 | -265 | -4.1% | -132 | 412 | 428 | 708 | \$11.46 |
| 51-6021 | Pressers, Textile, Garment, and Related Materials | 792 | 741 | -51 | -6.4% | -26 | 34 | 46 | 54 | \$11.47 |
| 51-6031 | Sewing Machine Operators | 4,863 | 4,834 | -29 | -0.6% | -14 | 293 | 256 | 535 | \$14.27 |
| 51-6041 | Shoe and Leather Workers and Repairers | 219 | 227 | 8 | 3.7% | 4 | 12 | 14 | 30 | \$13.91 |
| 51-6051 | Sewers, Hand | 362 | 370 | 8 | 2.2% | 4 | 29 | 18 | 51 | \$14.21 |
| 51-6052 | Tailors, Dressmakers, and Custom Sewers | 1,440 | 1,407 | -33 | -2.3% | -16 | 114 | 72 | 170 | \$14.53 |
| 51-6062 | Textile Cutting Machine S/O/T | 230 | 229 | -1 | -0.4% | 0 | 12 | 15 | 27 | \$14.62 |
| 51-6063 | Textile knitting and Weaving Machine S/O/T | 129 | 131 | 2 | 1.6% | 1 | 7 | 8 | 16 | \$11.60 |
| 51-6064 | Textile Winding, Twisting, and Drawing out S/O/T | 564 | 584 | 20 | 3.5% | 10 | 30 | 37 | 77 | \$18.09 |
| 51-6091 | Extruding and Forming Machine S/O/T, Synthetic and Glass Fibers | 890 | 902 | 12 | 1.3% | 6 | 48 | 58 | 112 | \$18.05 |
| 51-6092 | Fabric and Apparel Pattern Makers | 133 | 135 | 2 | 1.5% | 1 | 7 | 8 | 16 | \$28.20 + |
| 51-6099 | Textile, Apparel, and Furnishings Workers, All Other | 229 | 231 | 2 | 0.9% | 1 | 12 | 15 | 28 | \$14.45 |
| 51-7011 | Cabinetmakers and Bench Carpenters | 4,998 | 5,078 | 80 | 1.6% | 40 | 190 | 279 | 509 | \$18.05 |
| 51-7021 | Furniture Finishers | 982 | 995 | 13 | 1.3% | 6 | 58 | 74 | 138 | \$17.74 |
| 51-7041 | Sawing Machine S/O/T, Wood | 1,078 | 1,078 | 0 | 0.0% | 0 | 38 | 82 | 120 | \$17.83 |
| 51-7042 | Woodworking Machine S/O/T, except Sawing | 3,502 | 3,598 | 96 | 2.7% | 48 | 105 | 256 | 409 | \$17.48 |
| 51-7099 | Woodworkers, All Other | 460 | 489 | 29 | 6.3% | 14 | 19 | 27 | 60 | \$17.92 |
| 51-8012 | Power Distributors and Dispatchers | 715 | 691 | -24 | -3.4% | -12 | 18 | 47 | 53 | \$40.60 |
| 51-8013 | Power Plant Operators | 791 | 748 | -43 | -5.4% | -22 | 20 | 52 | 50 | \$38.87 |

| | | Emple | oyment | Chan | ge in | | | | | Median |
|-------------------|---|---------|-----------|-----------|-------|--------|--------|----------|--------|---------------|
| soc | | 2021 | 2023 | Employ | - | | Annual | Openings | | Wage*** |
| Code ¹ | Occupational Title** | Annual | Projected | 2021-2023 | | Growth | Exits | Tranfers | Total | May 2021 |
| 51-8021 | Stationary Engineers and Boiler Operators | 880 | 880 | 0 | 0.0% | 0 | 42 | 62 | 104 | \$30.08 |
| 51-8031 | Water and Wastewater Treatment Plant and System Operators | 4,188 | 4,072 | -116 | -2.8% | -58 | 116 | 256 | 314 | \$23.24 |
| 51-8091 | Chemical Plant and System Operators | 1,032 | 1,033 | 1 | 0.1% | 0 | 24 | 80 | 104 | \$36.97 |
| 51-8092 | Gas Plant Operators | 216 | 217 | 1 | 0.5% | 0 | 5 | 17 | 22 | \$22.83 |
| 51-8093 | Petroleum Pump System Operators, Refinery Operators, and Gaugers | 835 | 836 | 1 | 0.1% | 0 | 20 | 64 | 84 | \$46.65 |
| 51-9011 | Chemical Equipment Operators and Tenders | 5,386 | 5,347 | -39 | -0.7% | -20 | 118 | 416 | 514 | \$23.01 |
| 51-9012 | Separating, Filtering, Clarifying, Precipitating, and Still Machine S/O/T | 1,641 | 1,679 | 38 | 2.3% | 19 | 36 | 128 | 183 | \$18.52 |
| 51-9021 | Crushing, Grinding, and Polishing Machine S/O/T | 1,892 | 1,889 | -3 | -0.2% | -2 | 64 | 141 | 203 | \$18.50 |
| 51-9022 | Grinding and Polishing Workers, Hand | 1,006 | 985 | -21 | -2.1% | -10 | 34 | 74 | 98 | \$18.13 |
| 51-9023 | Mixing and Blending Machine S/O/T | 7,539 | 7,636 | 97 | 1.3% | 48 | 256 | 566 | 870 | \$18.13 |
| 51-9032 | Cutting and Slicing Machine S/O/T | 2,403 | 2,406 | 3 | 0.1% | 2 | 108 | 182 | 292 | \$18.09 |
| 51-9041 | Extruding, Forming, Pressing, and Compacting Machine S/O/T | 5,899 | 5,912 | 13 | 0.2% | 6 | 162 | 435 | 603 | \$17.92 |
| 51-9051 | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders | 1,431 | 1,470 | 39 | 2.7% | 20 | 50 | 88 | 158 | \$22.95 |
| 51-9061 | Inspectors, Testers, Sorters, Samplers, and Weighers | 29,992 | 29,568 | -424 | -1.4% | -212 | 1,144 | 2,364 | 3,296 | \$18.30 |
| 51-9071 | Jewelers and Precious Stone and Metal Workers | 575 | 565 | -10 | -1.7% | -5 | 30 | 38 | 63 | \$22.42 |
| 51-9081 | Dental Laboratory Technicians | 1,041 | 1,059 | 18 | 1.7% | 9 | 47 | 86 | 142 | \$22.42 |
| 51-9082 | Medical Appliance Technicians | 744 | 761 | 17 | 2.3% | 8 | 34 | 62 | 104 | \$17.87 |
| 51-9083 | Ophthalmic Laboratory Technicians | 1,706 | 1,732 | 26 | 1.5% | 13 | 77 | 140 | 230 | \$16.65 |
| 51-9111 | Packaging and Filling Machine Operators and Tenders | 20,576 | 20,916 | 340 | 1.7% | 170 | 856 | 1,377 | 2,403 | \$17.65 |
| 51-9123 | Painting, Coating, and Decorating Workers | 442 | 449 | 7 | 1.6% | 4 | 12 | 32 | 48 | \$18.09 |
| 51-9124 | Coating, Painting, and Spraying Machine S/O/T | 7,529 | 7,670 | 141 | 1.9% | 70 | 210 | 545 | 825 | \$18.18 |
| 51-9151 | Photographic Process Workers and Processing Machine Operators | 316 | 313 | -3 | -0.9% | -2 | 14 | 33 | 45 | \$18.24 |
| 51-9161 | Computer Numerically Controlled Tool Operators | 12,575 | 12,632 | 57 | 0.5% | 28 | 432 | 931 | 1,391 | \$19.19 |
| 51-9162 | Computer Numerically Controlled Tool Programmers | 2,081 | 2,207 | 126 | 6.1% | 63 | 74 | 158 | 295 | \$27.68 |
| 51-9191 | Adhesive Bonding Machine Operators and Tenders | 884 | 896 | 12 | 1.4% | 6 | 50 | 60 | 116 | \$18.15 |
| 51-9192 | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders | 1,001 | 1,014 | 13 | 1.3% | 6 | 34 | 74 | 114 | \$17.48 |
| 51-9193 | Cooling and Freezing Equipment Operators and Tenders | 1,026 | 1,039 | 13 | 1.3% | 6 | 36 | 76 | 118 | \$22.81 |
| 51-9194 | Etchers and Engravers | 562 | 567 | 5 | 0.9% | 2 | 34 | 36 | 72 | \$17.95 |
| 51-9195 | Molders, Shapers, and Casters, except M/P | 3,805 | 3,940 | 135 | 3.5% | 68 | 139 | 254 | 461 | \$18.06 |
| 51-9196 | Paper Goods Machine S/O/T | 6,048 | 6,103 | 55 | 0.9% | 28 | 274 | 403 | 705 | \$18.35 |
| 51-9197 | Tire Builders | 723 | 710 | -13 | -1.8% | -6 | 14 | 56 | 64 | \$18.23 |
| 51-9198 | HelpersProduction Workers | 8,754 | 8,678 | -76 | -9.0% | -38 | 409 | 821 | 1,192 | \$17.23 |
| 51-9199 | Production Workers, All Other | 8,307 | 8,450 | 143 | 1.7% | 72 | 287 | 619 | 978 | \$17.74 |
| 53-0000 | Transportation and Material Moving Occupations | 518,852 | 535,794 | 16,942 | 3.3% | 8,471 | 24,205 | 42,090 | 74,766 | \$17.70 |
| 53-1041 | Aircraft Cargo Handling Supervisors | 208 | 210 | 2 | 1.0% | 1 | 8 | 14 | 23 | \$37.26 |
| 53-1047 | FL Sup of Trans/MatMov. Workers, Ex. Aircraft Cargo Handling | 22,723 | 23,397 | 674 | 3.0% | 337 | 842 | 1,598 | 2,777 | \$23.73 |
| 53-2011 | Airline Pilots, Copilots, and Flight Engineers | 870 | 837 | -33 | -3.8% | -16 | 32 | 60 | 76 | \$201,720 *** |
| 53-2012 | Commercial Pilots | 1,154 | 1,158 | 4 | 0.3% | 2 | 42 | 82 | 126 | \$119,560 *** |
| 53-2021 | Air Traffic Controllers | 746 | 737 | -9 | -1.2% | -4 | 20 | 51 | 67 | \$67.83 |
| 53-2022 | Airfield Operations Specialists | 140 | 140 | 0 | 0.0% | 0 | 4 | 10 | 14 | \$28.02 |
| 53-2031 | Flight Attendants | 495 | 482 | -13 | -2.6% | -6 | 28 | 32 | 54 | \$60,360 *** |
| 53-3011 | Ambulance Drivers and Attendants, except Emergency Medical Technicians | 471 | 466 | -5 | -1.1% | -2 | 18 | 33 | 49 | \$13.43 |
| 53-3031 | Driver/Sales Workers | 33,525 | 34,180 | 655 | 2.0% | 328 | 1,386 | 2,296 | 4,010 | \$11.62 |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 78,345 | 80,869 | 2,524 | 3.2% | 1,262 | 3,260 | 5,398 | 9,920 | \$23.17 |
| 53-3033 | Light Truck or Delivery Services Drivers | 37,028 | 38,380 | 1,352 | 3.7% | 676 | 1,544 | 2,556 | 4,776 | \$18.00 |
| 53-3052 | Bus Drivers, Transit and Intercity | 4,140 | 4,123 | -17 | -0.4% | -8 | 272 | 206 | 470 | \$23.37 |

| | | Emplo | yment | Chang | e in | | | | | Median |
|-------------------|--|---------|-----------|-----------|---------|--------|--------|----------|--------|----------|
| SOC | | 2021 | 2023 | Employ | | | Annual | Openings | | Wage*** |
| Code ¹ | Occupational Title** | Annual | Projected | 2021-2023 | Percent | Growth | Exits | Tranfers | Total | May 2021 |
| 53-3058 | Passenger Vehicle Drivers, except Bus Drivers, Transit and Intercity | 18,416 | 18,648 | 232 | 1.3% | 116 | 1,220 | 922 | 2,258 | |
| 53-3099 | Motor Vehicle Operators, All Other | 1,915 | 1,945 | 30 | 1.6% | 15 | 195 | 113 | 323 | \$13.66 |
| 53-4011 | Locomotive Engineers | 933 | 934 | 1 | 0.1% | 0 | 21 | 60 | 81 | \$39.27 |
| 53-4031 | Railroad Conductors and Yardmasters | 1,182 | 1,183 | 1 | 0.1% | 0 | 26 | 77 | 103 | \$30.22 |
| 53-5011 | Sailors and Marine Oilers | 292 | 299 | 7 | 2.4% | 4 | 9 | 26 | 39 | \$18.45 |
| 53-5021 | Captains, Mates, and Pilots of Water Vessels | 255 | 267 | 12 | 4.7% | 6 | 7 | 18 | 31 | \$36.35 |
| 53-6011 | Bridge and Lock Tenders | 107 | 106 | -1 | -0.9% | 0 | 5 | 10 | 15 | \$23.14 |
| 53-6021 | Parking Lot Attendants | 3,443 | 3,476 | 33 | 1.0% | 16 | 168 | 358 | 542 | \$11.54 |
| 53-6031 | Automotive and Watercraft Service Attendants | 4,144 | 4,194 | 50 | 1.2% | 25 | 192 | 370 | 587 | \$13.70 |
| 53-6041 | Traffic Technicians | 133 | 132 | -1 | -0.8% | 0 | 6 | 12 | 18 | \$28.78 |
| 53-6051 | Transportation Inspectors | 778 | 774 | -4 | -0.5% | -2 | 26 | 56 | 80 | \$30.53 |
| 53-6061 | Transportation Attendants, except Flight Attendants | 154 | 159 | 5 | 3.2% | 2 | 14 | 8 | 24 | \$11.76 |
| 53-6098 | Aircraft Service Attendants and Transportation Workers, All Other | 570 | 560 | -10 | -1.8% | -5 | 26 | 50 | 71 | \$21.88 |
| 53-7011 | Conveyor Operators and Tenders | 1,156 | 1,180 | 24 | 2.1% | 12 | 36 | 100 | 148 | \$22.28 |
| 53-7021 | Crane and Tower Operators | 1,396 | 1,425 | 29 | 2.1% | 14 | 38 | 108 | 160 | \$23.74 |
| 53-7051 | Industrial Truck and Tractor Operators | 35,497 | 37,448 | 1,951 | 5.5% | 976 | 1,098 | 2,800 | 4,874 | \$18.51 |
| 53-7061 | Cleaners of Vehicles and Equipment | 12,833 | 13,001 | 168 | 1.3% | 84 | 632 | 1,150 | 1,866 | \$14.06 |
| 53-7062 | Laborers and Freight, Stock, and Material Movers, Hand | 121,744 | 127,062 | 5,318 | 4.4% | 2,659 | 5,444 | 10,824 | 18,927 | \$16.37 |
| 53-7063 | Machine Feeders and Offbearers | 1,640 | 1,690 | 50 | 3.0% | 25 | 95 | 122 | 242 | \$20.86 |
| 53-7064 | Packers and Packagers, Hand | 26,844 | 27,436 | 592 | 2.2% | 296 | 1,546 | 2,198 | 4,040 | \$14.40 |
| 53-7065 | Stockers and Order Fillers | 97,590 | 100,518 | 2,928 | 3.0% | 1,464 | 5,638 | 9,662 | 16,764 | \$14.39 |
| 53-7071 | Gas Compressor and Gas Pumping Station Operators | 175 | 173 | -2 | -1.1% | -1 | 4 | 15 | 18 | \$38.95 |
| 53-7073 | Wellhead Pumpers | 145 | 147 | 2 | 1.4% | 1 | 4 | 12 | 17 | \$17.55 |
| 53-7081 | Refuse and Recyclable Material Collectors | 5,508 | 5,872 | 364 | 6.6% | 182 | 241 | 513 | 936 | \$18.62 |
| 53-7121 | Tank Car, Truck, and Ship Loaders | 646 | 658 | 12 | 1.9% | 6 | 20 | 56 | 82 | \$21.75 |
| 53-7199 | Material Moving Workers, All Other | 329 | 335 | 6 | 1.8% | 3 | 10 | 28 | 41 | \$17.33 |

¹Occupational codes based on SOC 2010 coding structure. Detailed information - http://www.bls.gov/soc/

* Occupations with 100 or more workers.

** Title Abbreviations

FL Sup = First-Line Supervisors

M/P = Metal and Plastic

S/O/T = Setters, Operators, and Tenders # Wages above max.

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, June 2022.

*** Wage estimates are based on Ohio's OEWS surveys.

**** Education, experience and training levels associated with occupations were based on national data provided by the BLS.

▲ Wage data unavailable.

+ National hourly median wages.

++ National aggregate hourly median wages.

+++ Certain occupations report wages at the annual level - for elementary and secondary teachers

this typically reflects the 9 1/2 month school year.

| | | | Commonly Required | Typical On-The-Job | Median |
|-------------------|--|-----------------------------------|---------------------|-----------------------------------|--------------|
| soc | | Typical Education**** | Work Experience in | Training | Wage*** |
| Code ¹ | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| | Total, All Occupations | | | | \$19.08 |
| 11-0000 | Management Occupations | | | | \$47.53 |
| 11-1011 | Chief Executives | Bachelor's degree | 5 years or more | None | \$86.39 |
| 11-1021 | General and Operations Managers | Bachelor's degree | 5 years or more | None | \$45.60 |
| 11-1031 | Legislators | Bachelor's degree | Less than 5 years | None | \$36,940 +++ |
| 11-2011 | Advertising and Promotions Managers | Bachelor's degree | Less than 5 years | None | \$48.02 |
| 11-2021 | Marketing Managers | Bachelor's degree | 5 years or more | None | \$61.47 |
| 11-2022 | Sales Managers | Bachelor's degree | Less than 5 years | None | \$61.17 |
| 11-2030 | Public Relations and Fundraising Manager | Bachelor's degree | 5 years or more | None | \$57.62 |
| 11-3010 | Administrative Services and Facilities Managers | Bachelor's degree | Less than 5 years | None | \$47.73 ++ |
| 11-3021 | Computer and Information Systems Managers | Bachelor's degree | 5 years or more | None | \$62.43 |
| 11-3031 | Financial Managers | Bachelor's degree | 5 years or more | None | \$60.79 |
| 11-3051 | Industrial Production Managers | Bachelor's degree | 5 years or more | None | \$48.40 |
| 11-3061 | Purchasing Managers | Bachelor's degree | 5 years or more | None | \$58.50 |
| 11-3071 | Transportation, Storage, and Distribution Managers | High school diploma or equivalent | 5 years or more | None | \$44.54 |
| 11-3111 | Compensation and Benefits Managers | Bachelor's degree | 5 years or more | None | \$61.38 |
| 11-3121 | Human Resources Managers | Bachelor's degree | 5 years or more | None | \$59.27 |
| 11-3131 | Training and Development Managers | Bachelor's degree | 5 years or more | None | \$55.57 |
| 11-9013 | Farmers, Ranchers, and Other Agricultural Managers | High school diploma or equivalent | 5 years or more | None | \$35.12 + |
| 11-9021 | Construction Managers | Bachelor's degree | None | Moderate-term on-the-job training | \$47.08 |
| 11-9031 | Education Administrators, Preschool and Childcare Center/Program | Bachelor's degree | Less than 5 years | None | \$22.31 |
| 11-9032 | Education Administrators, Elementary and Secondary School | Master's degree | 5 years or more | None | \$97,320 *** |
| 11-9033 | Education Administrators, Postsecondary | Master's degree | Less than 5 years | None | \$45.68 |
| 11-9039 | Education Administrators, All Other | Bachelor's degree | Less than 5 years | None | \$36.22 |
| 11-9041 | Architectural and Engineering Managers | Bachelor's degree | 5 years or more | None | \$63.11 |
| 11-9051 | Food Service Managers | High school diploma or equivalent | Less than 5 years | None | \$27.30 |
| 11-9081 | Lodging Managers | High school diploma or equivalent | Less than 5 years | None | \$28.90 |
| 11-9111 | Medical and Health Services Managers | Bachelor's degree | Less than 5 years | None | \$47.38 |
| 11-9121 | Natural Sciences Managers | Bachelor's degree | 5 years or more | None | \$50.66 |
| 11-9131 | Postmasters and Mail Superintendents | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$38.87 |
| 11-9141 | Property, Real Estate, and Community Association Managers | High school diploma or equivalent | Less than 5 years | None | \$22.97 |
| 11-9151 | Social and Community Service Managers | Bachelor's degree | Less than 5 years | None | \$30.13 |
| 11-9171 | Funeral Home Managers | Associate's degree | Less than 5 years | None | \$35.58 |
| 11-9198 | Managers, All Other | Bachelor's degree | Less than 5 years | None | \$49.41 |
| 13-0000 | Business and Financial Operations Occupations | | | | \$30.79 |
| 13-1020 | Buyers and Purchasing Agents | Bachelor's degree | None | Moderate-term on-the-job training | \$30.37 |
| 13-1031 | Claims Adjusters, Examiners, and Investigators | High school diploma or equivalent | None | Long-term on-the-job training | \$29.96 |
| 13-1041 | Compliance Officers | Bachelor's degree | None | Moderate-term on-the-job training | \$30.51 |
| 13-1051 | Cost Estimators | Bachelor's degree | None | Moderate-term on-the-job training | \$30.42 |
| 13-1071 | Human Resources Specialists | Bachelor's degree | None | None | \$28.91 |
| 13-1075 | Labor Relations Specialists | Bachelor's degree | Less than 5 years | None | \$37.16 |
| 13-1081 | Logisticians | Bachelor's degree | None | None | \$37.03 |
| 13-1111 | Management Analysts | Bachelor's degree | Less than 5 years | None | \$38.17 |
| 13-1121 | Meeting, Convention, and Event Planners | Bachelor's degree | None | None | \$23.34 |
| 13-1131 | Fundraisers | Bachelor's degree | None | None | \$28.91 |
| 13-1141 | Compensation, Benefits, and Job Analysis Specialists | Bachelor's degree | Less than 5 years | None | \$29.49 |
| 13-1151 | Training and Development Specialists | Bachelor's degree | Less than 5 years | None | \$23.76 |
| 13-1161 | Market Research Analysts and Marketing Specialists | Bachelor's degree | None | None | \$29.55 |
| 13-1198 | Business Operations Specialists, All Other | Bachelor's degree | None | None | \$31.77 |
| 13-2011 | Accountants and Auditors | Bachelor's degree | None | None | \$33.46 |

| | | | Commonly Required | Typical On-The-Job | Median |
|-------------------|--|-----------------------------------|---------------------|-----------------------------------|----------|
| SOC | | Typical Education**** | Work Experience in | Training | Wage*** |
| Code ¹ | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 13-2020 | Property Appraisers and Assessors | Bachelor's degree | None | Long-term on-the-job training | \$30.43 |
| 13-2031 | Budget Analysts | Bachelor's degree | None | None | \$37.18 |
| 13-2041 | Credit Analysts | Bachelor's degree | None | None | \$34.74 |
| 13-2052 | Personal Financial Advisors | Bachelor's degree | None | Long-term on-the-job training | \$39.22 |
| 13-2053 | Insurance Underwriters | Bachelor's degree | None | Moderate-term on-the-job training | \$37.04 |
| 13-2061 | Financial Examiners | Bachelor's degree | None | Long-term on-the-job training | \$36.65 |
| 13-2071 | Credit Counselors | Bachelor's degree | None | Moderate-term on-the-job training | \$23.56 |
| 13-2072 | Loan Officers | Bachelor's degree | Less than 5 years | Moderate-term on-the-job training | \$29.96 |
| 13-2081 | Tax Examiners and Collectors, and Revenue Agents | Bachelor's degree | None | Moderate-term on-the-job training | \$30.51 |
| 13-2082 | Tax Preparers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$14.98 |
| 13-2098 | Financial Specialists AO | Bachelor's degree | None | None | \$38.60 |
| 15-0000 | Computer and Mathematical Occupations | | | | \$38.19 |
| 15-1211 | Computer Systems Analysts | Bachelor's degree | None | None | \$45.83 |
| 15-1212 | Information Security Analysts | Bachelor's degree | Less than 5 years | None | \$47.62 |
| 15-1221 | Computer and Information Research Scientists | Master's degree | None | None | \$57.28 |
| 15-1231 | Computer Network Support Specialists | Associate's degree | None | None | \$29.00 |
| 15-1232 | Computer User Support Specialists | Some college, no degree | None | None | \$22.96 |
| 15-1241 | Computer Network Architects | Bachelor's degree | 5 years or more | None | \$49.41 |
| 15-1244 | Network and Computer Systems Administrators | Bachelor's degree | None | None | \$38.20 |
| 15-1245 | Database Administrators | Bachelor's degree | None | None | \$41.15 |
| 15-1251 | Computer Programmers | Bachelor's degree | None | None | \$36.57 |
| 15-1256 | Software Developers | Bachelor's degree | None | None | \$48.02 |
| 15-1257 | Web Developers | Bachelor's degree | None | None | \$37.24 |
| 15-1299 | Computer Occupations, All Other | Bachelor's degree | None | None | \$46.05 |
| 15-2011 | Actuaries | Bachelor's degree | None | Long-term on-the-job training | \$47.88 |
| 15-2031 | Operations Research Analysts | Bachelor's degree | None | None | \$40.91 |
| 15-2041 | Statisticians | Master's degree | None | None | \$36.17 |
| 17-0000 | Architecture and Engineering Occupations | | | | \$37.39 |
| 17-1011 | Architects, except Landscape and Naval | Bachelor's degree | None | Internship/residency | \$37.45 |
| 17-1012 | Landscape Architects | Bachelor's degree | None | Internship/residency | \$23.21 |
| 17-1021 | Cartographers and Photogrammetrists | Bachelor's degree | None | None | \$36.83 |
| 17-1022 | Surveyors | Bachelor's degree | None | Internship/residency | \$29.34 |
| 17-2011 | Aerospace Engineers | Bachelor's degree | None | None | \$58.46 |
| 17-2031 | Biomedical Engineers | Bachelor's degree | None | None | \$45.33 |
| 17-2041 | Chemical Engineers | Bachelor's degree | None | None | \$46.88 |
| 17-2051 | Civil Engineers | Bachelor's degree | None | None | \$38.03 |
| 17-2061 | Computer Hardware Engineers | Bachelor's degree | None | None | \$46.51 |
| 17-2071 | Electrical Engineers | Bachelor's degree | None | None | \$45.89 |
| 17-2072 | Electronics Engineers, except Computer | Bachelor's degree | None | None | \$47.62 |
| 17-2081 | Environmental Engineers | Bachelor's degree | None | None | \$47.52 |
| 17-2111 | Health and Safety Engineers, except Mining Safety Engineers and Inspectors | Bachelor's degree | None | None | \$39.87 |
| 17-2112 | Industrial Engineers | Bachelor's degree | None | None | \$38.24 |
| 17-2131 | Materials Engineers | Bachelor's degree | | None | \$42.11 |
| 17-2141 | Mechanical Engineers | Bachelor's degree | None | None | \$37.96 |
| 17-2171 | Petroleum Engineers | Bachelor's degree | None | None | \$48.15 |
| 17-2199 | Engineers, All Other | Bachelor's degree | None | None | \$46.88 |
| 17-3011 | Architectural and Civil Drafters | Associate's degree | None | None | \$29.64 |
| 17-3012 | Electrical and Electronics Drafters | Associate's degree | None | None | \$29.15 |
| 17-3013 | Mechanical Drafters | Associate's degree | None | None | \$28.74 |
| 17-3021 | Aerospace Engineering and Operations Technicians | Associate's degree | None | None | \$29.76 |
| | | | - | - | - 4 |

| | | | Commonly Required | Typical On-The-Job | Median |
|---------|--|-----------------------------------|---------------------|-----------------------------------|------------|
| soc | | Typical Education**** | Work Experience in | Training | Wage*** |
| | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 17-3022 | Civil Engineering Technicians | Associate's degree | None | None | \$29.02 |
| 17-3023 | Electrical and Electronics Engineering Technicians | Associate's degree | None | None | \$29.96 |
| 17-3025 | Environmental Engineering Technicians | Associate's degree | None | None | \$22.83 |
| 17-3026 | Industrial Engineering Technicians | Associate's degree | None | None | \$27.65 |
| 17-3027 | Mechanical Engineering Technicians | Associate's degree | None | None | \$28.52 |
| 17-3031 | Surveying and Mapping Technicians | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.55 |
| 17-3098 | Engineering Technicians, except Drafters, All Other | Associate's degree | None | None | \$23.21 |
| 19-0000 | Life, Physical, and Social Science Occupations | | | | \$31.13 |
| 19-1012 | Food Scientists and Technologists | Bachelor's degree | None | None | \$40.47 |
| 19-1013 | Soil and Plant Scientists | Bachelor's degree | None | None | \$29.63 |
| 19-1022 | Microbiologists | Bachelor's degree | None | None | \$23.41 |
| 19-1023 | Zoologists and Wildlife Biologists | Bachelor's degree | None | None | \$30.65 |
| 19-1029 | Biological Scientists, All Other | Bachelor's degree | None | None | \$39.61 |
| 19-1031 | Conservation Scientists | Bachelor's degree | None | None | \$27.66 |
| 19-1032 | Foresters | Bachelor's degree | None | None | \$31.20 |
| 19-1041 | Epidemiologists | Master's degree | None | None | \$36.60 |
| 19-1042 | Medical Scientists, except Epidemiologists | Doctoral or professional degree | None | None | \$39.75 |
| 19-1099 | Life Scientists, All Other | Bachelor's degree | None | None | \$42.10 |
| 19-2012 | Physicists | Doctoral or professional degree | None | None | \$62.86 |
| 19-2031 | Chemists | Bachelor's degree | None | None | \$36.46 |
| 19-2032 | Materials Scientists | Bachelor's degree | None | None | \$45.64 |
| 19-2041 | Environmental Scientists and Specialists, Including Health | Bachelor's degree | None | None | \$37.30 |
| 19-2042 | Geoscientists, except Hydrologists and Geographers | Bachelor's degree | None | None | \$37.38 |
| 19-2043 | Hydrologists | Bachelor's degree | None | None | \$39.53 |
| 19-2099 | Physical Scientists, All Other | Bachelor's degree | None | None | \$48.15 |
| 19-3011 | Economists | Master's degree | None | None | \$50.35 |
| 19-3022 | Survey Researchers | Master's degree | None | None | \$28.05 |
| 19-3031 | Clinical, Counseling, and School Psychologists | Doctoral or professional degree | None | Internship/residency | |
| 19-3032 | Industrial Organizational Psychologists | Master's degree | None | Internship/residency | \$57.85 |
| 19-3039 | Psychologists, All Other | Master's degree | None | Internship/residency | \$50.72 |
| 19-3051 | Urban and Regional Planners | Master's degree | None | None | \$30.72 |
| 19-3099 | Social Scientists and Related Workers, All Other | Bachelor's degree | None | None | \$39.56 |
| 19-4010 | Agricultural & Food Scientist Technicians | Associate's degree | None | Moderate-term on-the-job training | \$21.49 ++ |
| 19-4021 | Biological Technicians | Bachelor's degree | None | None | \$23.99 |
| 19-4031 | Chemical Technicians | Associate's degree | None | Moderate-term on-the-job training | \$23.42 |
| 19-4042 | Environmental Science and Protection Technicians, Including Health | Associate's degree | None | None | \$21.85 |
| 19-4045 | Geological and Hydrolic Technicians | Associate's degree | None | Moderate-term on-the-job training | |
| 19-4051 | Nuclear Technicians | Associate's degree | None | Moderate-term on-the-job training | \$37.89 |
| 19-4061 | Social Science Research Assistants | Bachelor's degree | None | None | \$23.59 |
| 19-4071 | Forest and Conservation Technicians | Associate's degree | None | None | \$22.40 |
| 19-4092 | Forensic Science Technicians | Bachelor's degree | None | Moderate-term on-the-job training | \$30.89 |
| 19-4099 | Life, Physical, and Social Science Technicians, All Other | Associate's degree | None | None | \$23.66 |
| 19-5011 | Occupational Health and Safety Specialists | Bachelor's degree | None | None | \$37.43 |
| 19-5012 | Occupational Health and Safety Technicians | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.46 |
| 21-0000 | Community and Social Service Occupations | | | | \$22.91 |
| 21-1012 | Educational, Guidance, School, and Vocational Counselors | Master's degree | None | None | \$29.39 |
| 21-1013 | Marriage and Family Therapists | Master's degree | None | Internship/residency | \$24.29 |
| 21-1015 | Rehabilitation Counselors | Master's degree | None | None | \$18.42 |
| 21-1018 | Substance Abuse, Behavioral Disorder, and Mental Health Counselors | Bachelor's degree | None | None | \$22.84 |
| 21-1019 | Counselors, All Other | Master's degree | None | None | \$22.42 |

| | | | Commonly Required | Typical On-The-Job | Median |
|---------------------|--|-----------------------------------|---------------------|-----------------------------------|---------------|
| SOC | | Typical Education**** | Work Experience in | Training | Wage*** |
| Code ¹ O | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 21-1021 | Child, Family, and School Social Workers | Bachelor's degree | None | None | \$22.95 |
| 21-1022 | Healthcare Social Workers | Master's degree | None | Internship/residency | \$29.07 |
| 21-1023 | Mental Health and Substance Abuse Social Workers | Master's degree | None | Internship/residency | \$22.55 |
| 21-1029 | Social Workers, All Other | Bachelor's degree | None | None | \$27.59 |
| 21-1091 | Health Educators | Bachelor's degree | None | None | \$29.15 |
| 21-1092 | Probation Officers and Correctional Treatment Specialists | Bachelor's degree | None | Short-term on-the-job training | \$27.02 |
| 21-1093 | Social and Human Service Assistants | High school diploma or equivalent | None | Short-term on-the-job training | \$17.67 |
| 21-1094 | Community Health Workers | High school diploma or equivalent | None | Short-term on-the-job training | \$18.48 |
| 21-1099 | Community and Social Service Specialists, All Other | Bachelor's degree | None | None | \$22.82 |
| 21-2011 | Clergy | Bachelor's degree | None | Moderate-term on-the-job training | \$23.58 |
| 23-0000 | Legal Occupations | | | | \$36.21 |
| 23-1011 | Lawyers | Doctoral or professional degree | None | None | \$49.18 |
| 23-1012 | Judicial Law Clerks | Doctoral or professional degree | None | None | \$23.60 |
| 23-1021 | Administrative Law Judges, Adjudicators, and Hearing Officers | Doctoral or professional degree | 5 years or more | Short-term on-the-job training | \$37.16 |
| 23-1022 | Arbitrators, Mediators, and Conciliators | Bachelor's degree | Less than 5 years | Moderate-term on-the-job training | \$24.59 |
| 23-1023 | Judges, Magistrate Judges, and Magistrates | Doctoral or professional degree | 5 years or more | Short-term on-the-job training | \$47.76 |
| 23-2011 | Paralegals and Legal Assistants | Associate's degree | None | None | \$22.57 |
| 23-2093 | Title Examiners, Abstractors, and Searchers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.39 |
| 23-2099 | Legal Support Workers, All Other | Associate's degree | None | None | \$27.91 |
| 25-0000 | Education, Training, and Library Occupations | | | | \$29.13 |
| 25-1011 | Business Teachers, Postsecondary | Doctoral or professional degree | None | None | \$77,890 +++ |
| 25-1021 | Computer Science Teachers, Postsecondary | Doctoral or professional degree | None | None | \$81,680 *** |
| 25-1022 | Mathematical Science Teachers, Postsecondary | Doctoral or professional degree | None | None | \$77,740 *** |
| 25-1031 | Architecture Teachers, Postsecondary | Doctoral or professional degree | None | None | \$98,070 *** |
| 25-1032 | Engineering Teachers, Postsecondary | Doctoral or professional degree | None | None | \$103,340 *** |
| 25-1042 | Biological Science Teachers, Postsecondary | Doctoral or professional degree | None | None | \$79,410 *** |
| 25-1051 | Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | Doctoral or professional degree | None | None | \$83,480 *** |
| 25-1052 | Chemistry Teachers, Postsecondary | Doctoral or professional degree | None | None | \$78,100 *** |
| 25-1053 | Environmental Science Teachers, Postsecondary | Doctoral or professional degree | None | None | \$99,040 *** |
| 25-1054 | Physics Teachers, Postsecondary | Doctoral or professional degree | None | None | \$77,630 *** |
| 25-1061 | Anthropology and Archeology Teachers, Postsecondary | Doctoral or professional degree | None | None | \$81,440 *** |
| 25-1062 | Area, Ethnic, and Cultural Studies Teachers, Postsecondary | Doctoral or professional degree | None | None | \$80,360 *** |
| 25-1063 | Economics Teachers, Postsecondary | Doctoral or professional degree | None | None | \$98,830 *** |
| 25-1064 | Geography Teachers, Postsecondary | Doctoral or professional degree | None | None | \$83,860 *** |
| 25-1065 | Political Science Teachers, Postsecondary | Doctoral or professional degree | None | None | \$79,270 *** |
| 25-1066 | Psychology Teachers, Postsecondary | Doctoral or professional degree | None | None | \$81,120 +++ |
| 25-1067 | Sociology Teachers, Postsecondary | Doctoral or professional degree | None | None | \$77,980 +++ |
| 25-1069 | Social Sciences Teachers, Postsecondary, All Other | Doctoral or professional degree | None | None | \$64,440 +++ |
| 25-1071 | Health Specialties Teachers, Postsecondary | Doctoral or professional degree | Less than 5 years | None | \$107,630 *** |
| 25-1072 | Nursing Instructors and Teachers, Postsecondary | Doctoral or professional degree | Less than 5 years | None | \$77,100 +++ |
| 25-1081 | Education Teachers, Postsecondary | Doctoral or professional degree | Less than 5 years | None | \$62,850 *** |
| 25-1082 | Library Science Teachers, Postsecondary | Doctoral or professional degree | None | None | \$63,950 +++ |
| 25-1111 | Criminal Justice and Law Enforcement Teachers, Postsecondary | Doctoral or professional degree | None | None | \$60,920 *** |
| 25-1112 | Law Teachers, Postsecondary | Doctoral or professional degree | Less than 5 years | None | \$117,010 *** |
| 25-1113 | Social Work Teachers, Postsecondary | Doctoral or professional degree | None | None | \$77,630 *** |
| 25-1121 | Art, Drama, and Music Teachers, Postsecondary | Master's degree | None | None | \$64,100 *** |
| 25-1122 | Communications Teachers, Postsecondary | Doctoral or professional degree | None | None | \$77,630 *** |
| 25-1123 | English Language and Literature Teachers, Postsecondary | Doctoral or professional degree | None | None | \$63,900 *** |
| 25-1124 | Foreign Language and Literature Teachers, Postsecondary | Doctoral or professional degree | None | None | \$64,520 *** |
| 25-1125 | History Teachers, Postsecondary | Doctoral or professional degree | None | None | \$79,410 *** |

| | | | Commonly Required | Typical On-The-Job | Median |
|---------|---|-----------------------------------|---------------------|-----------------------------------|--------------|
| SOC | | Typical Education**** | Work Experience in | Training | Wage*** |
| | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 25-1126 | Philosophy and Religion Teachers, Postsecondary | Doctoral or professional degree | None | None | \$78,370 +++ |
| 25-1192 | Home Economics Teachers, Postsecondary | Doctoral or professional degree | None | None | \$69,550 +++ |
| 25-1193 | Recreation and Fitness Studies Teachers, Postsecondary | Doctoral or professional degree | None | None | \$63,740 +++ |
| 25-1194 | Vocational Education Teachers, Postsecondary | Bachelor's degree | Less than 5 years | None | \$24.54 |
| 25-1199 | Postsecondary Teachers, All Other | Doctoral or professional degree | None | None | \$61,590 *** |
| 25-2011 | Preschool Teachers, except Special Education | Associate's degree | None | None | \$13.89 |
| 25-2012 | Kindergarten Teachers, except Special Education | Bachelor's degree | None | None | \$60,670 +++ |
| 25-2021 | Elementary School Teachers, except Special Education | Bachelor's degree | None | None | \$64,410 *** |
| 25-2022 | Middle School Teachers, except Special and Career/Technical Education | Bachelor's degree | None | None | \$63,670 +++ |
| 25-2031 | Secondary School Teachers, except Special and Career/Technical Education | Bachelor's degree | None | None | \$75,330 +++ |
| 25-2032 | Career/Technical Education Teachers, Secondary School | Bachelor's degree | Less than 5 years | None | \$76,880 +++ |
| 25-2052 | Special Education Teachers, Kindergarten and Elementary School | Bachelor's degree | None | None | \$70,900 +++ |
| 25-2057 | Special Education Teachers, Middle School | Bachelor's degree | None | None | \$58,220 +++ |
| 25-2058 | Special Education Teachers, Secondary School | Bachelor's degree | None | None | \$62,010 +++ |
| 25-2059 | Special Education Teachers, All Other | Bachelor's degree | None | None | \$47,140 *** |
| 25-3011 | Adult Basic and Secondary Education and Literacy Teachers and Instructors | Bachelor's degree | None | None | \$24.10 |
| 25-3021 | Self-Enrichment Education Teachers | High school diploma or equivalent | Less than 5 years | None | \$14.64 |
| 25-3031 | Substitute Teachers | Bachelor's degree | None | None | \$13.92 |
| 25-3097 | Teachers and Instructors, All Other, except Substitute Teachers | Bachelor's degree | None | None | \$60,040 +++ |
| 25-4011 | Archivists | Master's degree | None | None | \$23.62 |
| 25-4012 | Curators | Master's degree | None | None | \$23.80 |
| 25-4013 | Museum Technicians and Conservators | Bachelor's degree | None | None | \$22.61 |
| 25-4022 | Librarians and Media Collections Specialists | Master's degree | None | None | \$23.62 |
| 25-4031 | Library Technicians | Postsecondary non-degree award | None | None | \$16.71 |
| 25-9031 | Instructional Coordinators | Master's degree | 5 years or more | None | \$29.83 |
| 25-9044 | Teaching Assistants, Postsecondary | Bachelor's degree | None | None | \$30,070 +++ |
| 25-9045 | Teaching Assistants, except Postsecondary | Some college, no degree | None | None | \$28,820 +++ |
| 27-0000 | Arts, Design, Entertainment, Sports, and Media Occupations | | | | \$23.05 |
| 27-1011 | Art Directors | Bachelor's degree | 5 years or more | None | \$39.68 |
| 27-1012 | Craft Artists | No formal educational credential | None | Long-term on-the-job training | \$18.21 |
| 27-1013 | Fine Artists, Including Painters, Sculptors, and Illustrators | Bachelor's degree | None | Long-term on-the-job training | \$22.28 |
| 27-1014 | Multimedia Artists and Animators | Bachelor's degree | None | None | \$41.45 + |
| 27-1019 | Artists and Related Workers, AO | No formal educational credential | None | Long-term on-the-job training | \$32.38 |
| 27-1021 | Commercial and Industrial Designers | Bachelor's degree | None | None | \$30.43 |
| 27-1022 | Fashion Designers | Bachelor's degree | None | None | \$23.71 |
| 27-1023 | Floral Designers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$13.70 |
| 27-1024 | Graphic Designers | Bachelor's degree | None | None | \$23.53 |
| 27-1025 | Interior Designers | Bachelor's degree | None | None | \$23.89 |
| 27-1026 | Merchandise Displayers and Window Trimmers | High school diploma or equivalent | None | Short-term on-the-job training | \$14.52 |
| 27-1027 | Set and Exhibit Designers | Bachelor's degree | None | None | \$28.36 |
| 27-1029 | Designers, AO | Bachelor's degree | None | None | \$22.66 |
| 27-2011 | Actors | Some college, no degree | None | Long-term on-the-job training | \$9.44 |
| 27-2012 | Producers and Directors | Bachelor's degree | Less than 5 years | None | \$28.81 |
| 27-2021 | Athletes and Sports Competitors | No formal educational credential | None | Long-term on-the-job training | |
| 27-2022 | Coaches and Scouts | Bachelor's degree | None | None | \$36,870 +++ |
| 27-2041 | Music Directors and Composers | Bachelor's degree | Less than 5 years | None | \$27.65 |
| 27-2042 | Musicians and Singers | No formal educational credential | None | Long-term on-the-job training | \$47.38 |
| 27-2090 | Miscellaneous Entertainers and Performers, sports and related workers | No formal educational credential | None | Short-term on-the-job training | \$23.60 ++ |
| 27-3011 | Radio and Television Announcers | Bachelor's degree | None | None | \$14.04 |
| 27-3023 | News Analysts, Reporters, and Journalists | Bachelor's degree | None | None | \$18.45 |

| Soc. Training Yappet Education*** Yappet Education** Yappet Education ** Yappet Educatio | | | | Commonly Required | Typical On-The-Job | Median |
|--|---------|---|---------------------------------------|---------------------------------------|--------------------------------|---------|
| Code/ Decupation/ Title* Decupation/ Title* Decupation/ Title* Related compation/ Decupation None | soc | | Typical Education**** | · · · | | |
| 27-301 Fulsie Felstone Specialists Border Special None 1207 27-304 Effers Bachelors Segree Less then 5 years None 583-24 27-304 Effers Bachelors Segree None Congreen On-Holp Variang 530-4 27-304 Effers and Autors Bachelors Segree None None Congreen On-Holp Variang 522-06 27-305 Mitters and Autors Bachelors Segree None None Scale 522-06 27-301 Interpreters and Communication Warkers, All Color Bachelors Segree None Sone them on-the-job training 522-06 27-401 Audo and Valko Eculopinet Technicians Pestecondary non-darge award None Short sem on-the-job training 523-27 27-401 Audo and Valko Eculopinet Technicians Pestecondary non-darge award None Short sem on-the-job training 523-27 27-401 Boodeal Technicians Pestecondary non-darge award None Short sem on-the-job training 523-27 27-402 Boodeal Technicians Pestecondary non-darge award None Shor | | Occupational Title** | , | | | |
| 27304 Editors Bachelor's dyree Jeas than 5 years Nome 520.42 27304 Technical Witnes Bachelor's dyree None Long-term on-the-job training 523.23 27305 Interpreters and Transitors Spathors None None None Spathors 523.23 27305 Interpreters and Transitors Spathors | | Public Belations Specialists | | None | None | \$29.79 |
| 27-3042 Technical Wirknam Bochelor's degree Less than Syvame Stort serm on the job training 580-432 27-3081 Mitters and Authons Bachelor's degree None None Kates 27-3091 Interpretes and Translators Bachelor's degree None None Stort term on the job training St32 32 27-3092 Court Reports and Stromman Technichem Postscond/nymon-degree award None Stort term on the job training | - | | | | | |
| 27.3020Witters and AuthorsBachelor's degreeNoneLong term on the jb training924.2627.3020Court Reportsr and Simultaneous CaptionsrPostacondary non-degree awardNoneShort-term on-the-jb training523.6527.3020Media and Communication Worker, All OtherPhy hocio Captionsr awardNoneShort-term on-the-jb training517.8227.3021Auto and Video Captioneni TechnicanePostacondary non-degree awardNoneShort-term on-the-jb training517.8227.4011Auto and Video Captioneni TechnicanePostacondary non-degree awardNoneShort-term on-the-jb training512.3227.4021Postacondary non-degree awardNoneNoneShort-term on-the-jb training512.3227.4021PhotographeraRehelor's degreeNoneNone512.5227.4023Film and Video EdicorsBachelor's degreeNoneNone50.3227.4031Cannea Opartos, Tekivison, Video, and Motion PictureHegh school degreeNoneNone50.3227.4032Film and Video EdicorsDoctoral or professional degreeNoneNone50.3227.4034Lapitaring Technicana and Motiona CompanionalDoctoral or professional degreeNoneNone50.3227.4031Cannea CompanionalDoctoral or professional degreeNoneNone50.3227.4031Cannea CompanionalSchool degreeNoneNone50.3227.4031Optomeristics and NutrinidensianDoctoral or professional degreeNoneNon | - | | - | , | | |
| 27.301 Interpreters and Transitions Bachelor's digree None None Sola 22.32 2020 Contrabuitanous Cathorers Postasonadirs undergree award None Short arm on the job training S32.32 27.309 Media and Communication Workers, All Obrer High school dighneer or quarkwirker None Short arm on the job training S12.32 27.401 Audio Cathorer on the job training S12.32 Short arm on the job training S12.32 27.4021 Foradosat Tonhulans Postasonadir (nord-dighte award None Short arm on the job training S12.32 27.4031 Canners Operators, Television, Videa, and Motion Ficure Bachors forgere None None S0.33 27.4032 Finans Operators, Television, Videa, and Motion Ficure Bachors forgere None None S0.33 27.4033 Canners Operators, Television, Videa, and Motion Equipment Workers, All Other High school digmeer None None S0.33 27.4034 Canners Operators, Television, Videa, and Communication Equipment Workers, All Other High school digmeer None None S0.42 28.101 | | | | · · · · · · · · · · · · · · · · · · · | | |
| 27:302 Court Reports and Simultaneous Captioners Postsecondary nondary nonead Short error on the job training \$17.30 27:309 Maidia and Communication Workers, All Other High school digloma or equivalent None Short error on the job training \$17.30 27:401 Readesa Technicians Postsecondary non-digree award None Short error on the job training \$18.72 27:401 Readesa Technicians Postsecondary non-digree award None Short error on the job training \$17.24 27:402 Principaghan None More Short error on the job training \$17.24 27:403 Connero Constators, Television, Video, and Morin Picture High school diploma or equivalent None None \$202 27:403 Uniting Technicans and Moria and Communication Equipment Workers, All Other High school diploma or equivalent None \$202 \$202 None \$202 \$202 \$202 \$202 \$202 None \$202 \$202 \$202 \$202 \$202 \$202 \$202 \$202 \$202 \$202 \$202 \$202 \$202 \$202 <td></td> <td></td> <td>~ ~ ~</td> <td></td> <td>· · · ·</td> <td></td> | | | ~ ~ ~ | | · · · · | |
| 27:309 Media and Sommunication Workers, All Other High abbodi digloma or guyubant None Short-term on-th-job training 512.20 27:4011 Audia and Yabe Equipment Technicians Associato's degree None Short-term on-th-job training 512.20 27:4012 Stoadeast Technicians Protographers None Short-term on-th-job training 522.31 27:4014 Stoadeast Technicians Protographers None Short-term on-th-job training 522.31 27:4021 Protographers India and Communication Equipment Workers, All Other Bachelor's degree None None Short-term on-th-job training 522.30 27:4026 Lighting Technicians and Media and Communication Equipment Workers, All Other Bachelor's degree None None Stoadeast Sto | | | | | | |
| 22-401 Audio and Valors Equipment Technicians 9240 Strands Technicians 9240 Strands Technicians None Strant error onthe-job training 518.72 27-402 Bounds Engineering Technicians Postascondary non-degree award None Strant error on the-job training 517.44 27-403 Pricingraphers Technicians Postascondary non-degree award None More therm on the-job training 517.44 27-403 Camera Operators, Television, Vedeo, and Mation Picture Bachelor's degree None None Status 27-4030 Elitativita Scand Media and Communication Equipment Workers, All Other High school digloma or equivalent None None Stotus 29-1011 Chiropractora Octoral or professional degree None None Stotus 29-1012 Operatora, All Other Specialisto Octoral or professional degree None Internstipresidemcy 42 20-1013 Optomatora, All Other Specialisto Octoral or professional degree None More 440.04 20-101 Optomatora More More 440.04 22.26 </td <td></td> <td></td> <td>· · · · ·</td> <td></td> <td></td> <td></td> | | | · · · · · | | | |
| 27-4012 Brond-sam Technicians Associatie's degree None Short-term on-the-job training \$18.72 27-4013 Sound Engineering Technicians Pottographors High school diplor or squivalent None Moderate-term on-the-job training \$17.44 27-4031 Camera Operators, Television, Video, and Motion Picture Bachelor's degree None None None \$30.36 27-4032 Film and Video Editors Bachelor's degree None None None \$30.36 27-4032 Film and Video Editors Doctoral or professional degree None None \$30.36 24-0000 Welthcare Practitioners and Technical Communication Equipment Workers, All District Doctoral or professional degree None None \$30.36 24-0000 Motificant and Muticinal State Doctoral or professional degree None None \$30.36 24-101 Optometristis Doctoral or professional degree None None \$40.24 24-101 Optometristis Doctoral or professional degree None None \$40.42 24-101 Optometrist | - | | · · · · · | | | |
| 22-001 Sound Engineering Technicana Peatsecondary non-degree award None Short sem on-the-job training \$22.13 27-021 Photographors Television, Video, and Motion Picture Bachelor's degree None None \$17.44 27-032 Film and Video Editors Bachelor's degree None None \$22.15 27-038 Lighting Technicans and Media and Communication Equipment Workers, All Other High school diploms or equivalent None None \$30.04 28-000 Healtharen Racitioners and Technical Coexplant Octoral or professional degree None None \$20.02 28-1011 Chicopractors Octoral or professional degree None Internshipristidency \$2.23.02 28-1014 Optometrists, General Doctoral or professional degree None Internshipristidency \$2.23.02 28-1014 Optometrists Doctoral or professional degree None None \$40.04 28-1014 Optometrists Optometrists None None \$43.03 28-1014 Optometrists Doctoral or professional degree No | - | | · · · · · | | , , | |
| 27-4021 Photographera More Moderate-term on-the-job training \$17.44 27-4031 Camera Operators, Television, Video, and Mation Piture Bachelor's degree None None \$18.22 27-4032 Film and Video Editors Bachelor's degree None None \$30.36 27-4030 Lighting Technicitians and Media and Communication Equipment Workers, All Otter Bachelor's degree None None \$30.36 28-0000 Healthare Protectitioners and Technical Occupations Doctoral or professional degree None None \$30.36 29-1010 Dinitiss, General Doctoral or professional degree None None \$32.92 29-1021 Donitiss, All Other Specialists Doctoral or professional degree None None \$49.02 29-1031 Dictimis and Nutritionists Doctoral or professional degree None None \$49.02 29-1041 Optimetrists Doctoral or professional degree None None \$49.53 29-1041 Physician Assistants Master's degree None None \$49.53 <tr< td=""><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td>, , ,</td><td></td></tr<> | | | · · · · · · · · · · · · · · · · · · · | | , , , | |
| 27-4031 Camera Operators, Television, Video, and Motion Picture Bachebor's degree None None None None Sta22 27-4032 Film and Video Editors Bichebor's degree None Sta0.46 \$23.15 27-4030 Lighting Technicians and Media and Communication Equipment Workers, All Other Bichebor's degree None Sta0.46 \$30.04 28-1011 Chiropractors Doctoral or professional degree None None \$23.04 28-1012 Donistas, Ganeral Doctoral or professional degree None Internshipresidency # 28-1014 Optometrists Doctoral or professional degree None None \$49.04 28-1014 Optometrists Doctoral or professional degree None None \$40.24 28-1017 Physician Assistants Doctoral or professional degree None None \$40.32 28-1127 Physician Nassistants Doctoral or professional degree None None \$43.23 28-1128 Recentational Therapists Doctoral or professional degree None None <td></td> <td></td> <td>· · · · ·</td> <td></td> <td></td> <td></td> | | | · · · · · | | | |
| 27-402 Film and Video Editors None None S23.15 27-4038 Lighting Technicals and Modia and Communication Equipment Workers. All Other None Short-term on-the-job training S30.36 28-0000 Healthcare Practitioners and Technical Occupations None None S30.36 28-0000 Healthcare Practitioners and Technical Occupations Doctoral or professional degree None None S30.36 28-1011 Chinopractors Doctoral or professional degree None None S79.36 28-1023 Dicitis.All Other Spacialists Doctoral or professional degree None Internshiptresidency \$29.26 29-1031 Dictatisan or professional degree None None None \$81.63 29-1041 Optiometrists Doctoral or professional degree None None \$81.63 29-1041 Pharmacists Doctoral or professional degree None None \$81.63 29-1041 Pharmacists Doctoral or professional degree None None \$81.63 29-1122 Occupational Therapists | - | | | | , , , | |
| 22-408Lighting Technicians and Media and Communication Equipment Workers, All OtherHigh school diploma or equivalentNoneStorterm on-the-job training\$30.8628-1010ChiciopratorsDoctoral or professional degreeNoneNone\$29.3628-1011ChiciopratorsDoctoral or professional degreeNoneNone\$79.8928-1020Dentists, farmaraDoctoral or professional degreeNoneInternahyresidency\$29.2628-1031Dettistans and NutritonistsBachdor's degreeNoneNoneNone\$49.0428-1041OptometristsDoctoral or professional degreeNoneNone\$49.0429-1051Phyraican AssistantsDoctoral or professional degreeNoneNone\$49.2429-1061Phyraican TherapitrsDoctoral or professional degreeNoneNone\$49.2429-1071Phyraican TherapitrsDoctoral or professional degreeNoneNone\$49.2429-1081PhorapitsDoctoral or professional degreeNoneNone\$49.2429-1122Occupational TherapitsBachelor's degreeNoneNone\$38.3729-1124Readiation TherapitsAssociate's degreeNoneNone\$22.3729-1124Reperational TherapitsAssociate's degreeNoneNone\$38.3729-1124Reperational TherapitsBachelor's degreeNoneNone\$23.4729-1125Rereational TherapitsBachelor's degreeNoneNone\$38.362 | - | | | | | |
| 29-0000 Hishikars Practitioners and Technical Occupations Octoral or professional degree None None \$29.26 29-1011 Chitoprators Octoral or professional degree None None \$29.26 29-1020 Dentists, All Other Specialists Octoral or professional degree None Internship/msidency # 29-1031 Detitins and Nutritionists Bachelor's degree None Internship/msidency \$29.26 29-1031 Optimetrists Doctoral or professional degree None None None \$40.04 29-1031 Optimetrists Doctoral or professional degree None None None \$40.04 29-1031 Physician Assistants Doctoral or professional degree None None None \$40.93 29-1122 Octopaptional Therapists Doctoral or professional degree None None \$40.37 29-1122 Obuguptional Therapists Doctoral or professional degree None None \$45.97 29-1124 Fedalatists Doctoral or professional degree None None | | | ~ ~ ~ | | | |
| 29-101ChirogratorsDectoral or professional degreeNoneNoneS29.2629-1021Dentists. GeneralDoctoral or professional degreeNoneInternship/rasidency#29-1031Dettitians and NutritionistsBachelor's degreeNoneInternship/rasidency#29-1031Dettitians and NutritionistsDoctoral or professional degreeNoneInternship/rasidency\$40.3029-1031OptimitationistsDoctoral or professional degreeNoneNone\$40.9329-1031Phryacian AssistantsDoctoral or professional degreeNoneNone\$40.9329-1031Phryacian AssistantsDoctoral or professional degreeNoneNone\$40.9329-1031ProjetistaDoctoral or professional degreeNoneNone\$40.2329-1031ProjetistaDoctoral or professional degreeNoneNone\$40.2329-1031ProjetistaDoctoral or professional degreeNoneNone\$40.2329-1124Radiation TherapistsDoctoral or professional degreeNoneNone\$40.2129-1125Recreational TherapistsDoctoral or professional degreeNoneNone\$22.7329-1124Radiation TherapistsBachelor's degreeNoneNone\$23.1329-1125Recreational TherapistsBachelor's degreeNoneNone\$22.7429-112Speech-Language PathologistsBachelor's degreeNoneNone\$37.4129-113VetrinstansDocto | | | righ beneer alpienta er equivalent | Nono | onore term on the jeb training | |
| 22-1021Dentiss, Al Other SpecialissDoctoral or professional degreeNoneNone\$79.9922-1022Dentiss, Al Other SpecialissBachelor's degreeNoneInternship/residency\$222-1031Delutinas and NutritionistsBachelor's degreeNoneInternship/residency\$29.2623-1041OptometrissDoctoral or professional degreeNoneNone\$49.0423-1051PharmacistsDoctoral or professional degreeNoneNone\$49.2423-1071Physician AssitantsDoctoral or professional degreeNoneNone\$49.2423-1081PodlaritistsDoctoral or professional degreeNoneNone\$49.2423-1122Cocupational TherapistsDoctoral or professional degreeNoneNone\$84.5723-1122Adiation TherapistsDoctoral or professional degreeNoneNone\$85.3723-1124Regreational TherapistsDoctoral or professional degreeNoneNone\$82.3723-1126Regreational TherapistsDoctoral or professional degreeNoneNone\$82.3723-1126Regreational TherapistsDoctoral or professional degreeNoneNone\$82.3723-1126Regreational TherapistsDoctoral or professional degreeNoneNone\$82.3723-1128Exercise PhysiologistsBachelor's degreeNoneNone\$82.4723-1129Exercise PhysiologistsBachelor's degreeNoneNone\$82.4023-1121The | | | Doctoral or professional degree | None | None | |
| 29-1041OptometrisisBehol's degreeNoneInternship/residency529.2629-1041OptometrisisDoctoral or professional degreeNoneNone540.4029-1051Phynaciat hasistantsMaster's degreeNoneNone541.6329-1071Phynacian fasistantsDoctoral or professional degreeNoneNone549.2929-1071Physical TherapistsDoctoral or professional degreeNoneNone549.2929-1081PodiatristsDoctoral or professional degreeNoneNone540.2729-1122Physical TherapistsDoctoral or professional degreeNoneNone542.5729-1124Radiaton TherapistsBachelor's degreeNoneNone522.7129-1125Recreational TherapistsBachelor's degreeNoneNone522.6129-1126Psech-Language PathologistsMaster's degreeNoneNone522.6029-1121Psech-Language PathologistsBachelor's degreeNoneNone522.6029-1131PuteriniansDoctoral or professional degreeNoneNone526.6229-1141Registered NursesBachelor's degreeNoneNone536.3629-1131Nurse AnestheitsMaster's degreeNoneNone536.3629-1141Registered NursesMaster's degreeNoneNone536.3629-1141Registered NurseNoneNone536.3629-1151Nurse AnestheitsMaster's degree | 29-1021 | | · · · · · · · · · · · · · · · · · · · | | None | \$79.89 |
| 29-1041OptometrisisBehol's degreeNoneInternship/residency529.2629-1041OptometrisisDoctoral or professional degreeNoneNone540.4029-1051Phynaciat hasistantsMaster's degreeNoneNone541.6329-1071Phynacian fasistantsDoctoral or professional degreeNoneNone549.2929-1071Physical TherapistsDoctoral or professional degreeNoneNone549.2929-1081PodiatristsDoctoral or professional degreeNoneNone540.2729-1122Physical TherapistsDoctoral or professional degreeNoneNone542.5729-1124Radiaton TherapistsBachelor's degreeNoneNone522.7129-1125Recreational TherapistsBachelor's degreeNoneNone522.6129-1126Psech-Language PathologistsMaster's degreeNoneNone522.6029-1121Psech-Language PathologistsBachelor's degreeNoneNone522.6029-1131PuteriniansDoctoral or professional degreeNoneNone526.6229-1141Registered NursesBachelor's degreeNoneNone536.3629-1131Nurse AnestheitsMaster's degreeNoneNone536.3629-1141Registered NursesMaster's degreeNoneNone536.3629-1141Registered NurseNoneNone536.3629-1151Nurse AnestheitsMaster's degree | 29-1029 | Dentists, All Other Specialists | Doctoral or professional degree | None | Internship/residency | # |
| 29-1041 Optometrists Doctoral or professional degree None None \$49.04 29-1051 Physician Assistants Dactoral or professional degree None None \$49.29 29-1051 Physician Assistants Dactoral or professional degree None None \$49.29 29-1051 Physician Therapists Dactoral or professional degree None None \$38.47 29-1122 Occupational Therapists Dactoral or professional degree None None \$38.47 29-1123 Physical Therapists Dactoral or professional degree None None \$38.47 29-1124 Rediation Therapists Associate's degree None None \$38.33 29-1125 Recreational Therapists Associate's degree None None \$22.41 29-1124 Respiratory Therapists Associate's degree None None \$36.16 29-1125 Therapists, All Other Bachelor's degree None None \$35.16 29-1124 Tharapists, All Other Bachelor's degree <td>29-1031</td> <td></td> <td></td> <td>None</td> <td>Internship/residency</td> <td>\$29.26</td> | 29-1031 | | | None | Internship/residency | \$29.26 |
| 29-1051PharmacistsDoctoral or professional degreeNoneNone\$61.8329-1071Physician AssistantsMaster's degreeNoneNone\$49.2929-1081PodiatristsDoctoral or professional degreeNoneNone\$38.4729-1122Docupational TherapistsDoctoral or professional degreeNoneNone\$38.4729-1123Physical TherapistsDoctoral or professional degreeNoneNone\$38.4729-1124Racreational TherapistsBachelor's degreeNoneNone\$38.1329-1125Recreational TherapistsBachelor's degreeNoneNone\$32.1729-1126Respiratory TherapistsBachelor's degreeNoneNone\$32.1729-1127Speech-Language PathologistsMaster's degreeNoneNone\$32.1729-1128Exercise PhysiologistsBachelor's degreeNoneNone\$32.6029-1131VeterinariansNoneNone\$36.1629-1141Registered HursesBachelor's degreeNoneNone\$36.1629-1151Nurse AnesthetistsMaster's degreeNoneNone\$36.1629-1151Nurse AnesthetistsMaster's degreeNoneNone\$36.1629-1151Nurse AnesthetistsMaster's degreeNoneNone\$36.1629-1151Nurse AnesthetistsMaster's degreeNoneNone\$36.1629-1151Nurse AnesthetistsDoctoral or professional degreeNone | 29-1041 | Optometrists | | None | · · · · | \$49.04 |
| 29-1071 Physician Assistants None None Sep 29 29-1081 Podatrists Doctoral or professional degree None None Sep 33.47 29-1122 Occupational Therapists Mastar's degree None None Sep 33.47 29-1123 Physical Therapists Doctoral or professional degree None None Sep 33.47 29-1124 Rediation Therapists Associat's degree None None Sep 33.47 29-1125 Recreational Therapists Associat's degree None None Sep 33.77 29-1125 Repritory Therapists Associat's degree None None Sep 33.77 29-1127 Speech-Language Pathologists Bachelor's degree None None Sep 33.77 29-1129 Therapists, All Other Bachelor's degree None None Sep 33.61.6 29-1129 Therapists, All Other Bachelor's degree None None Sep 33.61.6 29-1131 Veterinarians Doctoral or professional degree None None Sep 33.61.6 29-1131 Veterinarians Master's degree None None Sep 33.62.6 29-1131 Veterinarians Master's degree None None | - | Pharmacists | | | None | \$61.63 |
| 29-1081PodiatristsDoctoral or professional degreeNoneInternship/residency\$81.9129-1122Occupational ThrapistsDoctoral or professional degreeNoneNone\$345.9729-1124Radiation TherapistsDoctoral or professional degreeNoneNone\$38.1329-1125Recreational TherapistsBachelor's degreeNoneNone\$32.3329-1126Respiratory TherapistsBachelor's degreeNoneNone\$22.41129-1127Speech-Language PathologistsMaster's degreeNoneNone\$22.41129-1128Exercise PhysiologistsBachelor's degreeNoneNone\$32.6129-1129Therapists, All OtherBachelor's degreeNoneNone\$32.6229-1129Therapists, All OtherDoctoral or professional degreeNoneNone\$35.6229-1131VeterinariansDoctoral or professional degreeNoneNone\$35.6229-1141Registerod NursesBachelor's degreeNoneNone\$35.6229-1151Nurse AnsthetistsMaster's degreeNoneNone\$35.6229-1161Nurse MidwivesMaster's degreeNoneNone\$36.6229-1171Nurse MidwivesMaster's degreeNoneNone\$36.5229-1161Nurse MidwivesDoctoral or professional degreeNoneNone\$36.5229-1171Nurse MidwivesDoctoral or professional degreeNoneNone\$36.5229-1171 | 29-1071 | Physician Assistants | | None | None | \$49.29 |
| 29-1122 Occupational Therapists Master's degree None None None \$38.47 29-1123 Physical Therapists Doctoral or professional degree None None \$36.37 29-1124 Rediation Therapists Associate's degree None None \$22.71 29-1125 Recreational Therapists Associate's degree None None \$22.71 29-1126 Respiratory Therapists Associate's degree None None \$22.71 29-1127 Speech-Language Pathologists Master's degree None None None \$22.71 29-1128 Exercise Physiologists Bachelor's degree None None \$33.16 29-1121 Therapists, All Other Bachelor's degree None None \$36.62 29-1131 Veterinarians Master's degree None None \$36.62 29-1141 Registered Nurses Master's degree None None \$36.62 29-1151 Nurse Ansthetists Master's degree None < | 29-1081 | Podiatrists | Č Č | | Internship/residency | \$61.91 |
| 29-1123 Physical Therapists Doctoral or professional degree None None \$45.97 29-1124 Radiation Therapists Associate's degree None None \$38.13 29-1125 Recreational Therapists Bachelor's degree None None \$32.77 29-1126 Respiratory Therapists Associate's degree None None \$22.77 29-1127 Speech-Language Pathologists Master's degree None Internship/residency \$37.71 29-1128 Exercise Physiologists Bachelor's degree None None \$36.16 29-1121 Speech-Language Pathologists Bachelor's degree None None \$36.16 29-1131 Veterinarians Doctoral or professional degree None None \$36.52 29-1131 Nurse Anestletists Master's degree None None \$36.52 29-1131 Nurse Anestletists Master's degree None None \$36.52 29-1131 Nurse Anestletists Doctoral or professional degree None None \$36.52 29-1131 Nurse Anestletists Doctoral or professional degree None None \$31.52 29-1131 Audiologists Doctoral or professiona | 29-1122 | Occupational Therapists | | None | None | \$38.47 |
| 29-1124 Radiation Therapists Associate's degree None None \$\$22.77 29-1125 Recreational Therapists Bachelor's degree None None \$\$22.77 29-1126 Respiratory Therapists Bachelor's degree None None \$\$29.41 29-1127 Speech-Language Pathologists Master's degree None None \$\$27.71 29-1128 Exercise Physiologists Bachelor's degree None None \$\$22.60 29-1129 Therapists, All Other Bachelor's degree None None \$\$36.16 29-1121 Registered Nurses Bachelor's degree None None \$\$36.16 29-1131 Veterinarians Doctoral or professional degree None None \$\$36.22 29-1141 Nurse Anesthetists Master's degree None None \$\$36.22 29-1151 Nurse Midwives Master's degree None None \$\$36.22 29-1151 Nurse Midwives Master's degree None None \$\$36.22 29-1151 Nurse Midwives Doctoral or professional degree None None \$\$36.22 29-1151 Anesthesiologists Doctoral or professional degree None Internship/ | 29-1123 | | | None | None | \$45.97 |
| 29-1125 Recreational Therapists Bachelor's degree None None \$22.77 29-1126 Respiratory Therapists Associate's degree None None \$29.147 29-1127 Speech-Language Pathologists Bachelor's degree None Internship/residency \$37.71 29-1127 Speech-Language Pathologists Bachelor's degree None None None \$22.60 29-1127 Therapists, All Other Bachelor's degree None None \$36.16 29-1128 Exercise Physiologists Doctoral or professional degree None None \$36.16 29-1131 Veterinarians Doctoral or professional degree None None \$36.26 29-1141 Registered Nurses Master's degree None None \$36.26 29-1151 Nurse Anesthetists Master's degree None None \$49.67 29-1151 Nurse Midwives Master's degree None None \$31.52 29-1151 Nurse Midwives Doctoral or professional degree None None \$31.52 29-1121 Anesthesiologists Doctoral or professional degree None Internship/residency # 29-1216 General Internal Medicine Phys | 29-1124 | Radiation Therapists | | None | None | \$38.13 |
| 29-1127 Speech-Language Pathologists Master's degree None Internship/residency \$37.71 29-1128 Exercise Physiologists Bachelor's degree None None \$22.60 29-1129 Therapists, All Other Bachelor's degree None None \$36.16 29-1131 Veterinarians Doctoral or professional degree None None \$47.62 29-1141 Registered Nurses Bachelor's degree None None \$80.96 29-1151 Nurse Anesthetists Master's degree None None \$80.98 29-1161 Nurse Anesthetists Master's degree None None \$80.98 29-1161 Nurse Practitioners Master's degree None None \$49.67 29-1171 Nurse Practitioners Doctoral or professional degree None None \$49.67 29-1213 Anesthesiologists Doctoral or professional degree None None \$49.67 29-1215 Family Medicine Physicians Doctoral or professional degree None None \$49.67 29-1216 General Internal Medicine Physicians Doctoral or professional degree None Internship/residency \$79.84 29-1215 Family Medicine | 29-1125 | Recreational Therapists | | None | None | \$22.77 |
| 29-1127Speech-Language PathologistsMaster's degreeNoneInternship/residency\$37.7129-1128Exercise PhysiologistsBachelor's degreeNoneNone\$22.6029-1129Therapists, All OtherBachelor's degreeNoneNone\$36.1629-1131VeterinariansDoctoral or professional degreeNoneNone\$47.6229-1141Registered NursesBachelor's degreeNoneNone\$55.6229-1151Nurse AnesthetistsMaster's degreeNoneNone\$80.9829-1161Nurse AnesthetistsMaster's degreeNoneNone\$49.6729-1171Nurse PractitionersMaster's degreeNoneNone\$49.6729-1121AnesthesiologistsDoctoral or professional degreeNoneNone\$49.6729-1215Family Medicine PhysiciansDoctoral or professional degreeNoneNone\$49.6729-1215General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$79.8429-1224Obstetricians and GynecologistsDoctoral or professional degreeNoneInternship/residency\$429-1224PsychiatristsDoctoral or professional degreeNoneInternship/residency\$429-1224PsychiatristsDoctoral or professional degreeNoneInternship/residency\$429- | 29-1126 | Respiratory Therapists | Associate's degree | None | None | \$29.41 |
| 29-1128Exercise PhysiologistsBachelor's degreeNoneNone\$22.6029-1129Therapists, All OtherNoneNone\$36.1629-1131VeterinariansDoctoral or professional degreeNoneNone\$47.6229-1141Registered NursesBachelor's degreeNoneNone\$35.6229-1151Nurse AnesthetistsMaster's degreeNoneNone\$80.9829-1161Nurse AnesthetistsMaster's degreeNoneNone\$84.9329-1171Nurse PractitionersMaster's degreeNoneNone\$49.6729-1181AudiologistsDoctoral or professional degreeNoneNone\$31.5229-1215Family Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$7.9.8429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$7.9.8429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$9.2429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$9.2429-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$9.2429-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency\$9.2429-1224PsychiatristsDoctoral or professional degreeNoneInternship/residency\$9.23 </td <td>29-1127</td> <td></td> <td></td> <td>None</td> <td>Internship/residency</td> <td>\$37.71</td> | 29-1127 | | | None | Internship/residency | \$37.71 |
| 29-1129 Therapists, All Other Bachelor's degree None None \$36.16 29-1131 Veterinarians Doctoral or professional degree None None \$47.62 29-1141 Registered Nurses Bachelor's degree None None \$55.62 29-1151 Nurse Anesthetists Master's degree None None \$56.93 29-1161 Nurse Midwives Master's degree None None \$49.67 29-1171 Nurse Practitioners Master's degree None None \$49.67 29-1181 Audiologists Doctoral or professional degree None None \$49.67 29-1181 Audiologists Doctoral or professional degree None None \$49.67 29-1181 Audiologists Doctoral or professional degree None Internship/residency \$7.84 29-1216 General Internal Medicine Physicians Doctoral or professional degree None Internship/residency \$7.984 29-1216 General Internal Medicine Physicians Doctoral or professional degree None Internship/residency \$9.76 29-1221 Posterticians, General Doctoral or professional degree None Internship/residency \$9.24 <td< td=""><td>29-1128</td><td></td><td></td><td>None</td><td></td><td>\$22.60</td></td<> | 29-1128 | | | None | | \$22.60 |
| 29-1141Registered NursesBachelor's degreeNoneNone\$35.6229-1151Nurse AnesthetistsMaster's degreeNoneNone\$80.9829-1161Nurse MidwivesMaster's degreeNoneNone\$80.9829-1171Nurse PractitionersMaster's degreeNoneNone\$49.6729-1181AudiologistsDoctoral or professional degreeNoneNone\$31.5229-1211AnesthesiologistsDoctoral or professional degreeNoneInternship/residency#29-1215Family Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1218General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$94.2429-1218Obstetricians, GeneralDoctoral or professional degreeNoneInternship/residency\$94.2429-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$90.7629-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency#29-1248Surgeons, except Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency#29-1294Dental HygienistsAssociate's degreeNoneInternship/residency#29-1295Dental Hygienists and Healthcare Diagnosing or Treating Practitioners, All OtherMaster's degreeNoneNone\$36.3429-1294Acupuncturists and Healthcar | | Therapists, All Other | Bachelor's degree | None | None | \$36.16 |
| 29-1151Nurse AnesthetistsMaster's degreeNoneNone\$80.9829-1161Nurse MidwivesMaster's degreeNoneNone\$58.1829-1171Nurse PractitionersMaster's degreeNoneNone\$49.6729-1181AudiologistsDoctoral or professional degreeNoneNone\$31.5229-1121AnesthesiologistsDoctoral or professional degreeNoneInternship/residency#29-1215Family Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$79.8429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1212Padiatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$94.2429-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$90.7629-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency#29-1224Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency#29-1224Physicians, All Other; and OphthalmologistsDoctoral or professional degreeNoneInternship/residency#29-1225Patatricians, All Other; and OphthalmologistsDoctoral or professional degreeNoneInterns | 29-1131 | Veterinarians | Doctoral or professional degree | None | None | \$47.62 |
| 29-1161Nurse MidwivesMaster's degreeNoneNone\$58.1829-1171Nurse PractitionersMaster's degreeNoneNone\$49.6729-1181AudiologistsDoctoral or professional degreeNoneNone\$31.5229-1211AnesthesiologistsDoctoral or professional degreeNoneInternship/residency#29-1215Family Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$79.8429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1218Obstetricians and GynecologistsDoctoral or professional degreeNoneInternship/residency\$94.2429-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$90.7629-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency\$90.7629-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency\$29-1224Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency\$29-1224PuciatristaSurgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residency\$29-1224Puciatrista and Healthcare Diagnosing or Treating Practitioners, All OtherDoctoral or professional degreeNoneInternship/residency\$29-1225Dental HygienistsDoct | 29-1141 | Registered Nurses | Bachelor's degree | None | None | \$35.62 |
| 29-1161Nurse MidwivesMaster's degreeNoneNone\$58.1829-1171Nurse PractitionersMaster's degreeNoneNone\$49.6729-1181AudiologistsDoctoral or professional degreeNoneNone\$31.5229-1215AnesthesiologistsDoctoral or professional degreeNoneInternship/residency#29-1215Family Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1218Obstetricians and GynecologistsDoctoral or professional degreeNoneInternship/residency\$94.2429-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$90.7629-1228PsychiatristsDoctoral or professional degreeNoneInternship/residency\$29-1228PsychiatristsDoctoral or professional degreeNoneInternship/residency\$29-1228PsychiatristsDoctoral or professional degreeNoneInternship/residency\$29-1229Dental HygienistsDoctoral or professional degreeNoneInternship/residency\$29-1231Surgeons, except Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency\$29-1228Physicians, All Other; and OphthalmologistsDoctoral or professional degreeNoneInternship/residency\$ <t< td=""><td>29-1151</td><td>Nurse Anesthetists</td><td>Master's degree</td><td>None</td><td>None</td><td>\$80.98</td></t<> | 29-1151 | Nurse Anesthetists | Master's degree | None | None | \$80.98 |
| 29-1181AudiologistsDoctoral or professional degreeNoneNone\$31.5229-1211AnesthesiologistsDoctoral or professional degreeNoneInternship/residency#29-1215Family Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$79.8429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$79.8429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$94.2429-1218Obstetricians and GynecologistsDoctoral or professional degreeNoneInternship/residency\$94.2429-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency\$94.2429-1228Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency\$29-1224Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residency\$29-1224Dental HygienistsDoctoral or professional degreeNoneInternship/residency\$29-1224Dental HygienistsDoctoral or professional degreeNone\$\$29-1292Dental HygienistsAcsociate's degreeNoneNone\$\$29-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$\$29-2031Cardiovascular Technologists and TechniciansA | 29-1161 | | Master's degree | None | None | \$58.18 |
| 29-1211AnesthesiologistsDoctoral or professional degreeNoneInternship/residency#29-1215Family Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$79.8429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1218Obstetricians and GynecologistsDoctoral or professional degreeNoneInternship/residency\$94.2429-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$90.7629-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency#29-1228Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency#29-1224Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residency#29-1228Dental HygienistsDoctoral or professional degreeNoneInternship/residency#29-1292Dental HygienistsDoctoral or professional degreeNoneNone\$36.9429-1293Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All OtherMaster's degreeNoneNone\$36.9429-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$29.29.4729-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | 29-1171 | Nurse Practitioners | Master's degree | None | None | \$49.67 |
| 29-1215Family Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$79.8429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1218Obstetricians and GynecologistsDoctoral or professional degreeNoneInternship/residency\$94.2429-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$90.7629-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency#29-1224Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency#29-1228Physicians, All Other; and OphthalmologistsDoctoral or professional degreeNoneInternship/residency#29-1248Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residency#29-1292Dental HygienistsDoctoral or professional degreeNoneInternship/residency#29-1292Dental HygienistsDoctoral or professional degreeNoneNone\$36.9429-1292Dental HygienistsAssociate's degreeNoneNone\$38.2329-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$25.9029-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | 29-1181 | Audiologists | Doctoral or professional degree | None | None | \$31.52 |
| 29-1215Family Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency\$79.8429-1216General Internal Medicine PhysiciansDoctoral or professional degreeNoneInternship/residency#29-1218Obstetricians and GynecologistsDoctoral or professional degreeNoneInternship/residency\$94.2429-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$90.7629-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency#29-1224Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency#29-1228Physicians, All Other; and OphthalmologistsDoctoral or professional degreeNoneInternship/residency#29-1248Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residency#29-1292Dental HygienistsDoctoral or professional degreeNoneInternship/residency#29-1292Dental HygienistsDoctoral or professional degreeNoneNone\$36.9429-1292Dental HygienistsAssociate's degreeNoneNone\$38.2329-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$25.9029-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | 29-1211 | Anesthesiologists | Doctoral or professional degree | None | Internship/residency | # |
| 29-1218Obstetricians and GynecologistsDoctoral or professional degreeNoneInternship/residency\$94.2429-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$90.7629-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency#29-1228Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency#29-1248Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residency▲29-1292Dental HygienistsDoctoral or professional degreeNoneInternship/residency▲29-1294Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All OtherMaster's degreeNoneNone\$38.2329-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$25.9029-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | 29-1215 | Family Medicine Physicians | Doctoral or professional degree | None | Internship/residency | \$79.84 |
| 29-1221Pediatricians, GeneralDoctoral or professional degreeNoneInternship/residency\$90.7629-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency#29-1228Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency▲29-1228Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residency▲29-1248Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residency▲29-1292Dental HygienistsAssociate's degreeNoneNone\$36.9429-1298Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All OtherMaster's degreeNoneNone\$38.2329-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$25.9029-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | 29-1216 | General Internal Medicine Physicians | Doctoral or professional degree | None | Internship/residency | # |
| 29-1223PsychiatristsDoctoral or professional degreeNoneInternship/residency#29-1228Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residency▲29-1248Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residency▲29-1292Dental HygienistsDoctoral or professional degreeNoneNone\$36.9429-1298Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All OtherMaster's degreeNoneNone\$38.2329-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$25.9029-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | 29-1218 | Obstetricians and Gynecologists | Doctoral or professional degree | None | Internship/residency | \$94.24 |
| 29-1228Physicians, All Other; and Ophthalmologists, except PediatricDoctoral or professional degreeNoneInternship/residencyA29-1248Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residencyA29-1292Dental HygienistsAssociate's degreeNoneNone\$36.9429-1298Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All OtherMaster's degreeNoneNone\$38.2329-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$25.9029-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | | Pediatricians, General | Doctoral or professional degree | None | Internship/residency | \$90.76 |
| 29-1248Surgeons, except OphthalmologistsDoctoral or professional degreeNoneInternship/residencyImage: Constraint of the state | 29-1223 | Psychiatrists | Doctoral or professional degree | None | Internship/residency | # |
| 29-1292Dental HygienistsNoneNone\$36.9429-1298Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All OtherMaster's degreeNoneNone\$38.2329-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$25.9029-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | 29-1228 | Physicians, All Other; and Ophthalmologists, except Pediatric | Doctoral or professional degree | None | Internship/residency | |
| 29-1298Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All OtherMaster's degreeNoneNone\$38.2329-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$25.9029-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | | | Doctoral or professional degree | | Internship/residency | |
| 29-2010Clinical Laboratory Technologists and TechniciansBachelor's degreeNoneNone\$25.9029-2031Cardiovascular Technologists and TechniciansAssociate's degreeNoneNone\$29.47 | | | Associate's degree | | None | |
| 29-2031 Cardiovascular Technologists and Technicians Associate's degree None None \$29.47 | | | | None | | |
| | | | Bachelor's degree | | | |
| 29-2032 Diagnostic Medical Sonographers Associate's degree None None \$36.06 | | | • | | | |
| | 29-2032 | Diagnostic Medical Sonographers | Associate's degree | None | None | \$36.06 |

| | | | Commonly Required | Typical On-The-Job | Median |
|-------------------|--|-----------------------------------|---------------------|-----------------------------------|--------------|
| SOC | | Typical Education**** | Work Experience in | Training | Wage*** |
| Code ¹ | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 29-2033 | Nuclear Medicine Technologists | Associate's degree | None | None | \$37.16 |
| 29-2034 | Radiologic Technologists | Associate's degree | None | None | \$28.90 |
| 29-2035 | Magnetic Resonance Imaging Technologists | Associate's degree | Less than 5 years | None | \$36.06 |
| 29-2040 | Emergency Medical Technicians and Paramedics | Postsecondary non-degree award | None | None | \$17.76 ++ |
| 29-2051 | Dietetic Technicians | Associate's degree | None | None | \$14.46 |
| 29-2052 | Pharmacy Technicians | High school diploma or equivalent | None | Moderate-term on-the-job training | \$16.89 |
| 29-2053 | Psychiatric Technicians | Postsecondary non-degree award | Less than 5 years | Short-term on-the-job training | \$14.89 |
| 29-2055 | Surgical Technologists | Postsecondary non-degree award | None | None | \$23.01 |
| 29-2056 | Veterinary Technologists and Technicians | Associate's degree | None | None | \$17.48 |
| 29-2057 | Ophthalmic Medical Technicians | Postsecondary non-degree award | None | None | \$17.62 |
| 29-2061 | Licensed Practical and Licensed Vocational Nurses | Postsecondary non-degree award | None | None | \$22.73 |
| 29-2081 | Opticians, Dispensing | High school diploma or equivalent | None | Long-term on-the-job training | \$22.04 |
| 29-2091 | Orthotists and Prosthetists | Master's degree | None | Internship/residency | \$28.80 |
| 29-2092 | Hearing Aid Specialists | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.11 |
| 29-2098 | Healthcare Practitioners and Technical Workers, All Other | Postsecondary non-degree award | None | None | \$18.15 |
| 29-9091 | Athletic Trainers | Bachelor's degree | None | None | \$47,440 *** |
| 29-9092 | Genetic Counselors | Master's degree | None | None | \$38.50 |
| 29-9098 | Healthcare Practitioners and Technical Workers, All Other | Postsecondary non-degree award | None | None | \$17.97 |
| 31-0000 | Healthcare Support Occupations | | | | \$14.14 |
| 31-1120 | Home Health and Personal Care Aides | High school diploma or equivalent | None | Short-term on-the-job training | \$11.54 |
| 31-1131 | Nursing Assistants | Postsecondary non-degree award | None | None | \$14.34 |
| 31-1132 | Orderlies | High school diploma or equivalent | None | Short-term on-the-job training | \$14.25 |
| 31-1133 | Psychiatric Aides | High school diploma or equivalent | None | Short-term on-the-job training | \$17.98 |
| 31-2011 | Occupational Therapy Assistants | Associate's degree | None | None | \$29.51 |
| 31-2012 | Occupational Therapy Aides | High school diploma or equivalent | None | Short-term on-the-job training | \$19.43 |
| 31-2021 | Physical Therapist Assistants | Associate's degree | None | None | \$29.60 |
| 31-2022 | Physical Therapist Aides | High school diploma or equivalent | None | Short-term on-the-job training | \$14.01 |
| 31-9011 | Massage Therapists | Postsecondary non-degree award | None | None | \$22.35 |
| 31-9091 | Dental Assistants | Postsecondary non-degree award | None | None | \$18.77 |
| 31-9092 | Medical Assistants | Postsecondary non-degree award | None | None | \$17.69 |
| 31-9093 | Medical Equipment Preparers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.00 |
| 31-9094 | Medical Transcriptionists | Postsecondary non-degree award | None | None | \$11.59 |
| 31-9095 | Pharmacy Aides | High school diploma or equivalent | None | Short-term on-the-job training | \$14.07 |
| 31-9096 | Veterinary Assistants and Laboratory Animal Caretakers | High school diploma or equivalent | None | Short-term on-the-job training | \$14.22 |
| 31-9097 | Phlebotomists | Postsecondary non-degree award | None | None | \$17.59 |
| 31-9099 | Healthcare Support Workers, All Other | High school diploma or equivalent | None | None | \$18.11 |
| 33-0000 | Protective Service Occupations | | | | \$22.81 |
| 33-1011 | First-Line Supervisors of Correctional Officers | High school diploma or equivalent | Less than 5 years | None | \$36.89 |
| 33-1012 | First-Line Supervisors of Police and Detectives | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$45.15 |
| 33-1021 | First-Line Supervisors of Fire Fighting and Prevention Workers | Postsecondary non-degree award | Less than 5 years | Moderate-term on-the-job training | \$37.42 |
| 33-1090 | Miscellaneous First-Line Supervisors, Protective Service Workers | High school diploma or equivalent | Less than 5 years | None | \$25.23 ++ |
| 33-2011 | Firefighters | | None | Long-term on-the-job training | \$24.37 |
| 33-2021 | Fire Inspectors and Investigators | Postsecondary non-degree award | 5 years or more | Moderate-term on-the-job training | \$46.78 |
| 33-3011 | Bailiffs | | None | Moderate-term on-the-job training | \$22.58 |
| 33-3012 | Correctional Officers and Jailers | | None | Moderate-term on-the-job training | \$23.04 |
| 33-3021 | Detectives and Criminal Investigators | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$37.30 |
| 33-3031 | Fish and Game Wardens | Bachelor's degree | None | Moderate-term on-the-job training | \$37.30 |
| 33-3041 | Parking Enforcement Workers | | None | Short-term on-the-job training | \$22.58 |
| 33-3051 | Police and Sheriff's Patrol Officers | | None | Moderate-term on-the-job training | \$31.06 |
| 33-9011 | Animal Control Workers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.60 |

| | | | Commonly Required | Typical On-The-Job | Median |
|---|--|---|--|---|--|
| SOC | | Typical Education**** | Work Experience in | Training | Wage*** |
| Code ¹ | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 33-9021 | Private Detectives and Investigators | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$23.45 |
| 33-9031 | Gaming Surveillance Officers and Gaming Investigators | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$21.91 |
| 33-9032 | Security Guards | High school diploma or equivalent | None | Short-term on-the-job training | \$13.98 |
| 33-9091 | Crossing Guards | No formal educational credential | None | Short-term on-the-job training | \$13.92 |
| 33-9092 | Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers | No formal educational credential | None | Short-term on-the-job training | \$10.72 |
| 33-9093 | Transportation Security Screeners | High school diploma or equivalent | None | Short-term on-the-job training | \$21.65 |
| 33-9098 | School Bus Monitors and Protective Service Workers, All Other | High school diploma or equivalent | None | Short-term on-the-job training | |
| 35-0000 | Food Preparation and Serving Related Occupations | | | | \$10.96 |
| 35-1011 | Chefs and Head Cooks | High school diploma or equivalent | 5 years or more | None | \$24.28 |
| 35-1012 | First-Line Supervisors of Food Preparation and Serving Workers | High school diploma or equivalent | Less than 5 years | None | \$15.65 |
| 35-2011 | Cooks, Fast Food | No formal educational credential | None | Short-term on-the-job training | \$10.76 |
| 35-2012 | Cooks, Institution and Cafeteria | No formal educational credential | None | Short-term on-the-job training | \$14.23 |
| 35-2014 | Cooks, Restaurant | No formal educational credential | Less than 5 years | Moderate-term on-the-job training | \$13.87 |
| 35-2015 | Cooks, Short Order | No formal educational credential | None | Short-term on-the-job training | \$12.14 |
| 35-2021 | Food Preparation Workers | No formal educational credential | None | Short-term on-the-job training | \$11.69 |
| 35-3011 | Bartenders | No formal educational credential | None | Short-term on-the-job training | \$10.21 |
| 35-3023 | Fast Food and Counter Workers | No formal educational credential | None | Short-term on-the-job training | \$10.70 |
| 35-3031 | Waiters and Waitresses | No formal educational credential | None | Short-term on-the-job training | \$9.87 |
| 35-3041 | Food Servers, Nonrestaurant | No formal educational credential | None | Short-term on-the-job training | \$12.07 |
| 35-9011 | Dining Room and Cafeteria Attendants and Bartender Helpers | No formal educational credential | None | Short-term on-the-job training | \$11.18 |
| 35-9021 | Dishwashers | No formal educational credential | None | Short-term on-the-job training | \$10.86 |
| 35-9031 | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop | No formal educational credential | None | Short-term on-the-job training | \$10.59 |
| 35-9099 | Food Preparation and Serving Related Workers, All Other | No formal educational credential | None | Short-term on-the-job training | \$10.72 |
| 37-0000 | Building and Grounds Cleaning and Maintenance Occupations | | | | \$14.26 |
| 37-1011 | First-Line Supervisors of Housekeeping and Janitorial Workers | High school diploma or equivalent | Less than 5 years | None | \$19.46 |
| 37-1012 | First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers | High school diploma or equivalent | Less than 5 years | None | \$23.05 |
| 37-2011 | Janitors and Cleaners, except Maids and Housekeeping Cleaners | No formal educational credential | None | Short-term on-the-job training | \$14.06 |
| 37-2012 | Maids and Housekeeping Cleaners | No formal educational credential | None | Short-term on-the-job training | \$11.80 |
| 37-3011 | Landscaping and Groundskeeping Workers | No formal educational credential | None | Short-term on-the-job training | \$14.58 |
| 37-3012 | Pesticide Handlers, Sprayers, and Applicators, Vegetation | High school diploma or equivalent | None | Moderate-term on-the-job training | \$19.60 |
| 37-3013 | | | | | |
| | Tree Trimmers and Pruners | High school diploma or equivalent | None | Short-term on-the-job training | \$18.79 |
| 37-3019 | Tree Trimmers and Pruners Grounds Maintenance Workers, All Other | High school diploma or equivalent No formal educational credential | None None | Short-term on-the-job training Short-term on-the-job training | \$18.79 \$14.72 |
| 37-3019 <i>39-0000</i> | | | | | |
| | Grounds Maintenance Workers, All Other | | | | \$14.72 |
| 39-0000 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations | No formal educational credential | None | Short-term on-the-job training | \$14.72 \$11.88 |
| <i>39-0000</i> 39-1013 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers | No formal educational credential High school diploma or equivalent | None Less than 5 years | Short-term on-the-job training None | \$14.72 \$11.88 \$24.27 |
| 39-0000 39-1013 39-1098 | Grounds Maintenance Workers, All Other <i>Personal Care and Service Occupations</i> First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services | No formal educational credential High school diploma or equivalent High school diploma or equivalent | None Less than 5 years Less than 5 years | Short-term on-the-job training None None | \$14.72 \$11.88 \$24.27 |
| 39-0000 39-1013 39-1098 39-2011 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent | None Less than 5 years Less than 5 years None | Short-term on-the-job training None None Moderate-term on-the-job training | \$14.72 \$11.88 \$24.27 \$14.24 |
| 39-0000 39-1013 39-1098 39-2011 39-2021 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent | None Less than 5 years Less than 5 years None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 |
| 39-0000 39-1013 39-1098 39-2011 39-2021 39-3011 39-3031 39-3091 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent | None Less than 5 years Less than 5 years None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training | \$14.72 \$11.88 \$24.27 \$ \$14.24 \$11.01 \$9.31 |
| 39-0000 39-1013 39-1098 39-2011 39-2021 39-3011 39-3031 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers Ushers, Lobby Attendants, and Ticket Takers | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent No formal educational credential | None Less than 5 years Less than 5 years None None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 \$9.31 \$10.99 |
| 39-0000 39-1013 39-2011 39-2021 39-3011 39-3031 39-3091 39-3099 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers Ushers, Lobby Attendants, and Ticket Takers Amusement and Recreation Attendants | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent | None Less than 5 years Less than 5 years None None None None None None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 \$9.31 \$10.99 \$10.38 \$13.71 \$11.62 + |
| 39-0000 39-1013 39-2011 39-2021 39-3031 39-3031 39-3093 39-3099 39-4011 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers Ushers, Lobby Attendants, and Ticket Takers Amusement and Recreation Attendants Locker Room, Coatroom, and Dressing Room Attendants | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent Associate's degree | None Less than 5 years Less than 5 years None None None None None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 \$9.31 \$10.99 \$10.38 \$13.71 |
| 39-0000 39-1013 39-2011 39-2021 39-3011 39-3031 39-3091 39-3099 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers Ushers, Lobby Attendants, and Ticket Takers Amusement and Recreation Attendants Locker Room, Coatroom, and Dressing Room Attendants Entertainment Attendants and Related Workers, All Other | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent | None Less than 5 years Less than 5 years None None None None None None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 \$9.31 \$10.99 \$10.38 \$13.71 \$11.62 + |
| 39-0000 39-1013 39-2011 39-2021 39-3011 39-3031 39-3091 39-3093 39-3099 39-4011 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers Ushers, Lobby Attendants, and Ticket Takers Amusement and Recreation Attendants Locker Room, Coatroom, and Dressing Room Attendants Entertainment Attendants and Related Workers, All Other Embalmers | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent Associate's degree | None Less than 5 years Less than 5 years None None None None None None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Long-term on-the-job training | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 \$9.31 \$10.99 \$10.38 \$13.71 \$11.62 + \$22.26 |
| 39-0000 39-1013 39-2011 39-2021 39-3031 39-3031 39-3093 39-3099 39-4011 39-4021 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers Ushers, Lobby Attendants, and Ticket Takers Amusement and Recreation Attendants Locker Room, Coatroom, and Dressing Room Attendants Entertainment Attendants and Related Workers, All Other Embalmers Funeral Attendants | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent Associate's degree High school diploma or equivalent | None Less than 5 years Less than 5 years None None None None None None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Long-term on-the-job training Short-term on-the-job training | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 \$9.31 \$10.99 \$10.38 \$13.71 \$11.62 + \$22.26 \$14.08 |
| 39-0000 39-1013 39-2011 39-2021 39-3031 39-3031 39-3093 39-3099 39-4011 39-4021 39-4031 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers Ushers, Lobby Attendants, and Ticket Takers Amusement and Recreation Attendants Locker Room, Coatroom, and Dressing Room Attendants Entertainment Attendants and Related Workers, All Other Embalmers Funeral Attendants Morticians, Undertakers, and Funeral Directors | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent Associate's degree High school diploma or equivalent Associate's degree | None Less than 5 years Less than 5 years None None None None None None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Long-term on-the-job training Short-term on-the-job training Long-term on-the-job training | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 \$9.31 \$10.99 \$10.38 \$13.71 \$11.62 + \$22.26 \$14.08 \$29.44 |
| 39-0000 39-1013 39-2011 39-2021 39-3031 39-3031 39-3093 39-3099 39-4011 39-4021 39-4021 39-4031 39-5012 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers Ushers, Lobby Attendants, and Ticket Takers Amusement and Recreation Attendants Locker Room, Coatroom, and Dressing Room Attendants Entertainment Attendants and Related Workers, All Other Embalmers Funeral Attendants Morticians, Undertakers, and Funeral Directors Hairdressers, Hairstylists, and Cosmetologists | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent Associate's degree High school diploma or equivalent Associate's degree Postsecondary non-degree award | None Less than 5 years Less than 5 years None None None None None None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Long-term on-the-job training Short-term on-the-job training None | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 \$9.31 \$10.99 \$10.38 \$13.71 \$11.62 + \$22.26 \$14.08 \$29.44 \$13.69 |
| 39-0000 39-1013 39-1098 39-2011 39-2021 39-3031 39-3031 39-3093 39-3099 39-4011 39-4021 39-3012 39-5012 39-5092 | Grounds Maintenance Workers, All Other Personal Care and Service Occupations First-Line Supervisors of Gambling Services Workers FL Sup of Personal Service and Entertainment Workers, except Gambling Services Animal Trainers Nonfarm Animal Caretakers Gaming Dealers Ushers, Lobby Attendants, and Ticket Takers Amusement and Recreation Attendants Locker Room, Coatroom, and Dressing Room Attendants Entertainment Attendants and Related Workers, All Other Embalmers Funeral Attendants Morticians, Undertakers, and Funeral Directors Hairdressers, Hairstylists, and Cosmetologists Manicurists and Pedicurists | No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent No formal educational credential No formal educational credential High school diploma or equivalent High school diploma or equivalent High school diploma or equivalent Associate's degree High school diploma or equivalent Associate's degree Postsecondary non-degree award Postsecondary non-degree award | None Less than 5 years Less than 5 years None None None None None None None None | Short-term on-the-job training None None Moderate-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Short-term on-the-job training Long-term on-the-job training Short-term on-the-job training None None | \$14.72 \$11.88 \$24.27 \$14.24 \$11.01 \$9.31 \$10.99 \$10.38 \$13.71 \$11.62 + \$22.26 \$14.08 \$29.44 \$13.69 \$11.04 |

| | | | Commonly Required | Typical On-The-Job | Median |
|---------|--|-----------------------------------|----------------------------|-----------------------------------|----------|
| soc | | Typical Education**** | Work Experience in | Training | Wage*** |
| | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 39-7010 | Tour and Travel Guides | High school diploma or equivalent | None | Moderate-term on-the-job training | \$13.81 |
| 39-9011 | Childcare Workers | High school diploma or equivalent | None | Short-term on-the-job training | \$11.17 |
| 39-9031 | Fitness Trainers and Aerobics Instructors | High school diploma or equivalent | None | Short-term on-the-job training | \$14.39 |
| 39-9032 | Recreation Workers | High school diploma or equivalent | None | Short-term on-the-job training | \$11.91 |
| 39-9041 | Residential Advisors | High school diploma or equivalent | None | Short-term on-the-job training | \$14.64 |
| 39-9098 | Crematory Operators and Personal Care and Service Workers, All Other | High school diploma or equivalent | None | Short-term on-the-job training | \$13.63 |
| 41-0000 | Sales and Related Occupations | 5 | | | \$14.20 |
| 41-1011 | First-Line Supervisors of Retail Sales Workers | High school diploma or equivalent | Less than 5 years | None | \$18.23 |
| 41-1012 | First-Line Supervisors of Non-Retail Sales Workers | High school diploma or equivalent | Less than 5 years | None | \$37.96 |
| 41-2011 | Cashiers | No formal educational credential | None | Short-term on-the-job training | \$10.96 |
| 41-2012 | Gambling Change Persons and Booth Cashiers | No formal educational credential | None | Short-term on-the-job training | \$10.02 |
| 41-2021 | Counter and Rental Clerks | No formal educational credential | None | Short-term on-the-job training | \$14.23 |
| 41-2022 | Parts Salespersons | No formal educational credential | None | Moderate-term on-the-job training | \$14.41 |
| 41-2031 | Retail Salespersons | No formal educational credential | None | Short-term on-the-job training | \$12.99 |
| 41-3011 | Advertising Sales Agents | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.04 |
| 41-3021 | Insurance Sales Agents | High school diploma or equivalent | None | Moderate-term on-the-job training | \$28.43 |
| 41-3031 | Securities, Commodities, and Financial Services Sales Agents | Bachelor's degree | None | Moderate-term on-the-job training | \$29.51 |
| 41-3041 | Travel Agents | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.03 |
| 41-3091 | Sales Representatives, Services, Ex. Advertising, Insurance, Financial, and Travel | High school diploma or equivalent | None | Moderate-term on-the-job training | \$25.14 |
| 41-4011 | Sales Rep., Wholesale & Mfg, Tech./Sci. Prod. | Bachelor's degree | None | Moderate-term on-the-job training | \$49.71 |
| 41-4012 | Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod. | High school diploma or equivalent | None | Moderate-term on-the-job training | \$29.71 |
| 41-9011 | Demonstrators and Product Promoters | No formal educational credential | None | Short-term on-the-job training | \$14.58 |
| 41-9021 | Real Estate Brokers | High school diploma or equivalent | Less than 5 years | None | \$23.25 |
| 41-9022 | Real Estate Sales Agents | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.76 |
| 41-9031 | Sales Engineers | Bachelor's degree | None | Moderate-term on-the-job training | \$47.91 |
| 41-9041 | Telemarketers | No formal educational credential | None | Short-term on-the-job training | \$13.53 |
| 41-9099 | Sales and Related Workers, All Other | High school diploma or equivalent | None | None | \$13.73 |
| 43-0000 | Office and Administrative Support Occupations | | | | \$18.13 |
| 43-1011 | First-Line Supervisors of Office and Administrative Support Workers | High school diploma or equivalent | Less than 5 years | None | \$28.91 |
| 43-2011 | Switchboard Operators, Including Answering Service | High school diploma or equivalent | None | Short-term on-the-job training | \$15.02 |
| 43-2021 | Telephone Operators | High school diploma or equivalent | None | Short-term on-the-job training | \$14.24 |
| 43-2099 | Communications Equipment Operators, All Other | High school diploma or equivalent | None | Short-term on-the-job training | \$22.66 |
| 43-3011 | Bill and Account Collectors | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.87 |
| 43-3021 | Billing and Posting Clerks | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.12 |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | Some college, no degree | None | Moderate-term on-the-job training | \$18.76 |
| 43-3041 | Gaming Cage Workers | High school diploma or equivalent | None | Short-term on-the-job training | \$13.86 |
| 43-3051 | Payroll and Timekeeping Clerks | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.45 |
| 43-3061 | Procurement Clerks | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.45 |
| 43-3071 | Tellers | High school diploma or equivalent | None | Short-term on-the-job training | \$14.53 |
| 43-3099 | Financial Clerks, All Other | High school diploma or equivalent | None | Short-term on-the-job training | \$22.78 |
| 43-4011 | Brokerage Clerks | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.97 |
| 43-4021 | Correspondence Clerks | High school diploma or equivalent | None | Short-term on-the-job training | \$18.13 |
| 43-4031 | Court, Municipal, and License Clerks | High school diploma or equivalent | None | Long-term on-the-job training | \$18.29 |
| 43-4041 | Credit Authorizers, Checkers, and Clerks | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.55 |
| 43-4051 | Customer Service Representatives | High school diploma or equivalent | None | Short-term on-the-job training | \$17.89 |
| 43-4061 | Eligibility Interviewers, Government Programs | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.40 |
| 43-4071 | File Clerks | High school diploma or equivalent | None | Short-term on-the-job training | \$17.74 |
| 43-4081 | Hotel, Motel, and Resort Desk Clerks | High school diploma or equivalent | None | Short-term on-the-job training | \$11.30 |
| 43-4111 | Interviewers, except Eligibility and Loan | High school diploma or equivalent | None | Short-term on-the-job training | \$17.74 |
| 43-4121 | Library Assistants, Clerical | High school diploma or equivalent | None | Short-term on-the-job training | \$11.52 |
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| | | | Commonly Required | Typical On-The-Job | Median |
|-------------------|---|-----------------------------------|---------------------|-----------------------------------|-----------|
| SOC | | Typical Education**** | Work Experience in | Training | Wage*** |
| Code ¹ | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 43-4131 | Loan Interviewers and Clerks | High school diploma or equivalent | None | Short-term on-the-job training | \$20.05 |
| 43-4141 | New Accounts Clerks | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.04 |
| 43-4151 | Order Clerks | Some college, no degree | None | Short-term on-the-job training | \$18.01 |
| 43-4161 | Human Resources Assistants, except Payroll and Timekeeping | Associate's degree | None | None | \$18.57 |
| 43-4171 | Receptionists and Information Clerks | High school diploma or equivalent | None | Short-term on-the-job training | \$14.08 |
| 43-4181 | Reservation and Transportation Ticket Agents and Travel Clerks | High school diploma or equivalent | None | Short-term on-the-job training | \$18.29 |
| 43-4199 | Information and Record Clerks, All Other | High school diploma or equivalent | None | Short-term on-the-job training | \$21.61 |
| 43-5011 | Cargo and Freight Agents | High school diploma or equivalent | None | Short-term on-the-job training | \$18.01 |
| 43-5021 | Couriers and Messengers | High school diploma or equivalent | None | Short-term on-the-job training | \$14.33 |
| 43-5031 | Police, Fire, and Ambulance Dispatchers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.80 |
| 43-5032 | Dispatchers, except Police, Fire, and Ambulance | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.78 |
| 43-5041 | Meter Readers, Utilities | High school diploma or equivalent | None | Short-term on-the-job training | \$23.53 |
| 43-5051 | Postal Service Clerks | High school diploma or equivalent | None | Short-term on-the-job training | \$25.14 |
| 43-5052 | Postal Service Mail Carriers | High school diploma or equivalent | None | Short-term on-the-job training | \$25.21 |
| 43-5053 | Postal Service Mail Sorters, Processors, and Processing Machine Operators | High school diploma or equivalent | None | Short-term on-the-job training | \$22.56 |
| 43-5061 | Production, Planning, and Expediting Clerks | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.10 |
| 43-5071 | Shipping, Receiving, and Traffic Clerks | High school diploma or equivalent | None | Short-term on-the-job training | \$17.74 |
| 43-5111 | Weighers, Measurers, Checkers, and Samplers, Recordkeeping | High school diploma or equivalent | None | Short-term on-the-job training | \$18.08 |
| 43-6011 | Executive Secretaries and Executive Administrative Assistants | High school diploma or equivalent | Less than 5 years | None | \$29.34 |
| 43-6012 | Legal Secretaries | High school diploma or equivalent | None | Moderate-term on-the-job training | \$21.21 |
| 43-6013 | Medical Secretaries | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.68 |
| 43-6014 | Secretaries and Administrative Assistants, except Legal, Medical, and Executive | High school diploma or equivalent | None | Short-term on-the-job training | \$17.94 |
| 43-9021 | Data Entry Keyers | High school diploma or equivalent | None | Short-term on-the-job training | \$17.47 |
| 43-9022 | Word Processors and Typists | High school diploma or equivalent | None | Short-term on-the-job training | \$20.91 |
| 43-9031 | Desktop Publishers | Associate's degree | None | Short-term on-the-job training | \$23.71 |
| 43-9041 | Insurance Claims and Policy Processing Clerks | High school diploma or equivalent | None | Moderate-term on-the-job training | \$21.81 |
| 43-9051 | Mail Clerks and Mail Machine Operators, except Postal Service | High school diploma or equivalent | None | Short-term on-the-job training | \$14.22 |
| 43-9061 | Office Clerks, General | High school diploma or equivalent | None | Short-term on-the-job training | \$17.85 |
| 43-9071 | Office Machine Operators, except Computer | High school diploma or equivalent | None | Short-term on-the-job training | \$17.94 |
| 43-9081 | Proofreaders and Copy Markers | Bachelor's degree | None | None | \$18.36 |
| 43-9111 | Statistical Assistants | Bachelor's degree | None | None | \$28.89 |
| 43-9199 | Office and Administrative Support Workers, All Other | High school diploma or equivalent | None | Short-term on-the-job training | \$21.55 |
| 45-0000 | Farming, Fishing, and Forestry Occupations | | | | \$15.06 |
| 45-1011 | First-Line Supervisors of Farming, Fishing, and Forestry Workers | High school diploma or equivalent | Less than 5 years | None | \$28.56 |
| 45-2011 | Agricultural Inspectors | Bachelor's degree | None | Moderate-term on-the-job training | \$29.34 |
| 45-2021 | Animal Breeders | High school diploma or equivalent | None | Short-term on-the-job training | \$19.28 + |
| 45-2041 | Graders and Sorters, Agricultural Products | No formal educational credential | None | Short-term on-the-job training | \$14.25 |
| 45-2091 | Agricultural Equipment Operators | No formal educational credential | None | Moderate-term on-the-job training | \$21.85 |
| 45-2092 | Farmworkers and Laborers, Crop, Nursery, and Greenhouse | No formal educational credential | None | Short-term on-the-job training | \$14.52 |
| 45-2093 | Farmworkers, Farm, Ranch, and Aquacultural Animals | No formal educational credential | None | Short-term on-the-job training | \$14.07 |
| 45-4022 | Logging Equipment Operators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$19.46 |
| 47-0000 | Construction and Extraction Occupations | | - | | \$23.53 |
| 47-1011 | First-Line Supervisors of Construction Trades and Extraction Workers | High school diploma or equivalent | 5 years or more | None | \$30.40 |
| 47-2011 | Boilermakers | High school diploma or equivalent | None | Apprenticeship | \$38.80 |
| 47-2021 | Brickmasons and Blockmasons | High school diploma or equivalent | None | Apprenticeship | \$29.39 |
| 47-2022 | Stonemasons | High school diploma or equivalent | None | Apprenticeship | \$18.52 |
| 47-2031 | Carpenters | High school diploma or equivalent | None | Apprenticeship | \$23.17 |
| 47-2041 | Carpet Installers | No formal educational credential | None | Short-term on-the-job training | \$18.74 |
| 47-2042 | Floor Layers, except Carpet, Wood, and Hard Tiles Tile and Marble Setters | No formal educational credential | None | Moderate-term on-the-job training | \$23.11 |
| 47-2044 | The and Warple Setters | No formal educational credential | None | Long-term on-the-job training | \$23.19 |

| | | | Commonly Required | Typical On-The-Job | Median |
|---------|---|-----------------------------------|----------------------------|-----------------------------------|----------------------|
| soc | | Typical Education**** | Work Experience in | Training | Wage*** |
| | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 47-2051 | Cement Masons and Concrete Finishers | No formal educational credential | None | Moderate-term on-the-job training | \$23.33 |
| 47-2061 | Construction Laborers | No formal educational credential | None | Short-term on-the-job training | \$22.22 |
| 47-2071 | Paving, Surfacing, and Tamping Equipment Operators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.06 |
| 47-2073 | Operating Engineers and Other Construction Equipment Operators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$28.50 |
| 47-2081 | Drywall and Ceiling Tile Installers | No formal educational credential | None | Moderate-term on-the-job training | \$23.11 |
| 47-2082 | Tapers | No formal educational credential | None | Moderate-term on-the-job training | \$29.09 |
| 47-2111 | Electricians | High school diploma or equivalent | None | Apprenticeship | \$28.55 |
| 47-2121 | Glaziers | High school diploma or equivalent | None | Apprenticeship | \$23.92 |
| 47-2131 | Insulation Workers, Floor, Ceiling, and Wall | No formal educational credential | None | Short-term on-the-job training | \$22.04 |
| 47-2132 | Insulation Workers, Mechanical | High school diploma or equivalent | None | Apprenticeship | \$28.76 |
| 47-2141 | Painters, Construction and Maintenance | No formal educational credential | None | Moderate-term on-the-job training | \$22.21 |
| 47-2142 | Paperhangers | No formal educational credential | None | Long-term on-the-job training | \$22.70 |
| 47-2151 | Pipelayers | No formal educational credential | None | Short-term on-the-job training | \$22.86 |
| 47-2152 | Plumbers, Pipefitters, and Steamfitters | High school diploma or equivalent | None | Apprenticeship | \$29.65 |
| 47-2161 | Plasterers and Stucco Masons | No formal educational credential | None | Long-term on-the-job training | \$20.55 |
| 47-2171 | Reinforcing Iron and Rebar Workers | High school diploma or equivalent | None | Apprenticeship | \$30.08 |
| 47-2181 | Roofers | No formal educational credential | None | Moderate-term on-the-job training | \$22.53 |
| 47-2211 | Sheet Metal Workers | High school diploma or equivalent | None | Apprenticeship | \$28.24 |
| 47-2221 | Structural Iron and Steel Workers | High school diploma or equivalent | None | Apprenticeship | \$29.44 |
| 47-3011 | HelpersBrickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters | No formal educational credential | None | Short-term on-the-job training | \$18.33 |
| 47-3012 | HelpersCarpenters | No formal educational credential | None | Short-term on-the-job training | \$14.38 |
| 47-3012 | HelpersElectricians | High school diploma or equivalent | None | Short-term on-the-job training | \$14.77 |
| 47-3015 | HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters | High school diploma or equivalent | None | Short-term on-the-job training | \$16.28 |
| 47-3016 | HelpersRoofers | No formal educational credential | None | Short-term on-the-job training | \$17.97 |
| 47-3019 | Helpers, Construction Trades, All Other | No formal educational credential | None | Short-term on-the-job training | \$17.01 |
| 47-4011 | Construction and Building Inspectors | High school diploma or equivalent | 5 years or more | Moderate-term on-the-job training | \$29.41 |
| 47-4021 | Elevator and Escalator Installers and Repairers | High school diploma or equivalent | None | Apprenticeship | \$47.24 |
| 47-4031 | Fence Erectors | No formal educational credential | None | Moderate-term on-the-job training | \$19.33 |
| 47-4041 | Hazardous Materials Removal Workers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.09 |
| 47-4051 | Highway Maintenance Workers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.47 |
| 47-4061 | Rail-Track laying Maintenance Equipment Operators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$27.16 |
| 47-4071 | Septic Tank Servicers and Sewer Pipe Cleaners | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.62 |
| 47-4090 | Miscellaneous Construction and Related Workers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.75 |
| 47-5012 | Rotary Drill Operators, Oil and Gas | No formal educational credential | None | Moderate-term on-the-job training | \$23.35 |
| 47-5013 | Service Unit Operators, Oil, Gas, and Mining | No formal educational credential | None | Moderate-term on-the-job training | \$22.47 |
| 47-5022 | Excavating and Loading Machine and Dragline Operators, Surface Mining | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$22.80 |
| 47-5041 | Continuous Mining Machine Operators | No formal educational credential | None | Moderate-term on-the-job training | \$29.09 |
| 47-5071 | Roustabouts, Oil and Gas | No formal educational credential | None | Moderate-term on-the-job training | \$17.96 |
| 47-5081 | HelpersExtraction Workers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.15 ⁺ |
| 47-5097 | Earth Drillers, except Oil and Gas | High school diploma or equivalent | Less than 5 years | Long-term on-the-job training | \$23.11 |
| 49-0000 | Installation, Maintenance, and Repair Occupations | | | | \$22.98 |
| 49-1011 | First-Line Supervisors of Mechanics, Installers, and Repairers | High school diploma or equivalent | Less than 5 years | None | \$31.22 |
| 49-2011 | Computer, Automated Teller, and Office Machine Repairers | Some college, no degree | None | Short-term on-the-job training | \$18.37 |
| 49-2021 | Radio, Cellular, and Tower Equipment Installers and Repairers | Associate's degree | None | Moderate-term on-the-job training | \$28.88 |
| 49-2022 | Telecommunications Equipment Installers and Repairers, except Line Installers | Postsecondary non-degree award | None | Moderate-term on-the-job training | \$29.20 |
| 49-2091 | Avionics Technicians | Associate's degree | None | None | \$28.56 |
| 49-2092 | Electric Motor, Power Tool, and Related Repairers | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$23.38 |
| 49-2093 | Electrical and Electronics Installers and Repairers, Transportation Equipment | Postsecondary non-degree award | None | Long-term on-the-job training | \$30.03 |
| 49-2094 | Electrical and Electronics Repairers, Commercial and Industrial Equipment | Postsecondary non-degree award | None | Long-term on-the-job training | \$29.07 |
| 49-2095 | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay | Postsecondary non-degree award | Less than 5 years | Moderate-term on-the-job training | \$38.58 |
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| | | | Commonly Required | Typical On-The-Job | Median |
|-------------------|---|-----------------------------------|---------------------|-----------------------------------|----------|
| soc | | Typical Education**** | Work Experience in | Training | Wage*** |
| Code ¹ | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 49-2096 | Electronic Equipment Installers and Repairers, Motor Vehicles | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.20 |
| 49-2097 | Electronic Home Entertainment Equipment Installers and Repairers | Postsecondary non-degree award | None | Short-term on-the-job training | \$21.68 |
| 49-2098 | Security and Fire Alarm Systems Installers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.96 |
| 49-3011 | Aircraft Mechanics and Service Technicians | Postsecondary non-degree award | None | None | \$30.27 |
| 49-3021 | Automotive Body and Related Repairers | High school diploma or equivalent | None | Long-term on-the-job training | \$22.42 |
| 49-3022 | Automotive Glass Installers and Repairers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.45 |
| 49-3023 | Automotive Service Technicians and Mechanics | Postsecondary non-degree award | None | Short-term on-the-job training | \$19.42 |
| 49-3031 | Bus and Truck Mechanics and Diesel Engine Specialists | High school diploma or equivalent | None | Long-term on-the-job training | \$23.00 |
| 49-3041 | Farm Equipment Mechanics and Service Technicians | High school diploma or equivalent | None | Long-term on-the-job training | \$21.72 |
| 49-3042 | Mobile Heavy Equipment Mechanics, except Engines | High school diploma or equivalent | None | Long-term on-the-job training | \$24.97 |
| 49-3043 | Rail Car Repairers | High school diploma or equivalent | None | Long-term on-the-job training | \$22.86 |
| 49-3052 | Motorcycle Mechanics | Postsecondary non-degree award | None | Short-term on-the-job training | \$17.95 |
| 49-3053 | Outdoor Power Equipment and Other Small Engine Mechanics | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.32 |
| 49-3092 | Recreational Vehicle Service Technicians | High school diploma or equivalent | None | Long-term on-the-job training | \$17.81 |
| 49-3093 | Tire Repairers and Changers | High school diploma or equivalent | None | Short-term on-the-job training | \$14.51 |
| 49-9011 | Mechanical Door Repairers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$19.36 |
| 49-9012 | Control and Valve Installers and Repairers, except Mechanical Door | High school diploma or equivalent | None | Moderate-term on-the-job training | \$34.71 |
| 49-9021 | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | Postsecondary non-degree award | None | Long-term on-the-job training | \$23.47 |
| 49-9031 | Home Appliance Repairers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$21.98 |
| 49-9041 | Industrial Machinery Mechanics | High school diploma or equivalent | None | Long-term on-the-job training | \$28.74 |
| 49-9043 | Maintenance Workers, Machinery | High school diploma or equivalent | None | Long-term on-the-job training | \$26.28 |
| 49-9044 | Millwrights | High school diploma or equivalent | None | Apprenticeship | \$30.12 |
| 49-9051 | Electrical Power-Line Installers and Repairers | High school diploma or equivalent | None | Long-term on-the-job training | \$38.13 |
| 49-9052 | Telecommunications Line Installers and Repairers | High school diploma or equivalent | None | Long-term on-the-job training | \$22.85 |
| 49-9061 | Camera and Photographic Equipment Repairers | High school diploma or equivalent | None | Long-term on-the-job training | \$15.42 |
| 49-9062 | Medical Equipment Repairers | Associate's degree | None | Moderate-term on-the-job training | \$28.82 |
| 49-9063 | Musical Instrument Repairers and Tuners | High school diploma or equivalent | None | Apprenticeship | \$14.31 |
| 49-9069 | Precision Instrument and Equipment Repairers, All Other | High school diploma or equivalent | None | Long-term on-the-job training | \$28.92 |
| 49-9071 | Maintenance and Repair Workers, General | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.36 |
| 49-9091 | Coin, Vending, and Amusement Machine Servicers and Repairers | High school diploma or equivalent | None | Short-term on-the-job training | \$17.73 |
| 49-9094 | Locksmiths and Safe Repairers | High school diploma or equivalent | None | Long-term on-the-job training | \$22.66 |
| 49-9096 | Riggers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$27.62 |
| 49-9098 | HelpersInstallation, Maintenance, and Repair Workers | High school diploma or equivalent | None | Short-term on-the-job training | \$17.47 |
| 49-9099 | Installation, Maintenance, and Repair Workers, All Other | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.40 |
| 51-0000 | Production Occupations | | | | \$18.13 |
| 51-1011 | First-Line Supervisors of Production and Operating Workers | High school diploma or equivalent | Less than 5 years | None | \$29.48 |
| 51-2021 | Coil Winders, Tapers, and Finishers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.35 |
| 51-2028 | Electrical, electronic, electromechanical assemblers, ex winders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.51 |
| 51-2031 | Engine and Other Machine Assemblers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.69 |
| 51-2041 | Structural Metal Fabricators and Fitters | High school diploma or equivalent | None | Moderate-term on-the-job training | \$21.18 |
| 51-2051 | Fiberglass Laminators and Fabricators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$16.79 |
| 51-2090 | Miscellaneous Assemblers and Fabricators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.78 |
| 51-3011 | Bakers | No formal educational credential | None | Long-term on-the-job training | \$13.95 |
| 51-3021 | Butchers and Meat Cutters | No formal educational credential | None | Long-term on-the-job training | \$14.31 |
| 51-3022 | Meat, Poultry, and Fish Cutters and Trimmers | No formal educational credential | None | Short-term on-the-job training | \$14.21 |
| 51-3023 | Slaughterers and Meat Packers | No formal educational credential | None | Short-term on-the-job training | \$14.14 |
| 51-3091 | Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders | No formal educational credential | None | Moderate-term on-the-job training | \$14.43 |
| 51-3092 | Food Batchmakers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.21 |
| 51-3093 | Food Cooking Machine Operators and Tenders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.58 |
| 51-3099 | Food Processing Workers, All Other | No formal educational credential | None | Moderate-term on-the-job training | \$14.13 |

| | | | Commonly Required | Typical On-The-Job | Median |
|-------------------|--|---|---------------------|-----------------------------------|-----------|
| soc | | Typical Education**** | Work Experience in | Training | Wage*** |
| Code ¹ | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 51-4021 | Extruding and Drawing Machine S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.05 |
| 51-4022 | Forging Machine S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.61 |
| 51-4023 | Rolling Machine S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.00 |
| 51-4031 | Cutting, Punching, and Press Machine S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.09 |
| 51-4032 | Drilling and Boring Machine Tool S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$19.05 |
| 51-4033 | Grind/Lapping/Polish/Buff Mach. Tool S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.49 |
| 51-4034 | Lathe and Turning Machine Tool S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.42 |
| 51-4035 | Milling and Planing Machine Setters, operators, and Tenders, metal and plastic | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.03 |
| 51-4041 | Machinists | High school diploma or equivalent | None | Long-term on-the-job training | \$20.87 |
| 51-4051 | Metal-Refining Furnace Operators and Tenders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.00 |
| 51-4052 | Pourers and Casters, Metal | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.21 |
| 51-4062 | Patternmakers, Metal and Plastic | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.91 |
| 51-4071 | Foundry Mold and Coremakers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.35 |
| 51-4072 | Molding, Coremaking, and Casting Machine S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.40 |
| 51-4081 | Multiple Machine Tool S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.31 |
| 51-4111 | Tool and Die Makers | Postsecondary non-degree award | None | Long-term on-the-job training | \$23.86 |
| 51-4121 | Welders, Cutters, Solderers, and Brazers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$21.64 |
| 51-4122 | Welding, Soldering, and Brazing Machine S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.18 |
| 51-4191 | Heat Treating Equipment S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$19.15 |
| 51-4193 | Plating and Coating Machine S/O/T, M/P | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.62 |
| 51-4194 | Tool Grinders, Filers, and Sharpeners | High school diploma or equivalent | None | Moderate-term on-the-job training | \$24.19 |
| 51-4199 | Metal Workers and Plastic Workers, All Other | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.09 |
| 51-5111 | Prepress Technicians and Workers | Postsecondary non-degree award | None | None | \$21.19 |
| 51-5112 | Printing Press Operators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.13 |
| 51-5113 | Print Binding and Finishing Workers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.11 |
| 51-6011 | Laundry and Dry-Cleaning Workers | No formal educational credential | None | Short-term on-the-job training | \$11.46 |
| 51-6021 | Pressers, Textile, Garment, and Related Materials | No formal educational credential | None | Short-term on-the-job training | \$11.47 |
| 51-6031 | Sewing Machine Operators | No formal educational credential | None | Short-term on-the-job training | \$14.27 |
| 51-6041 | Shoe and Leather Workers and Repairers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$13.91 |
| 51-6051 | Sewers, Hand | No formal educational credential | None | Moderate-term on-the-job training | \$14.21 |
| 51-6052 | Tailors, Dressmakers, and Custom Sewers | No formal educational credential | None | Moderate-term on-the-job training | \$14.53 |
| 51-6062 | Textile Cutting Machine S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$14.62 |
| 51-6063 | Textile knitting and Weaving Machine S/O/T | High school diploma or equivalent | None | Short-term on-the-job training | \$11.60 |
| 51-6064 | Textile Winding, Twisting, and Drawing out S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.09 |
| 51-6091 | Extruding and Forming Machine S/O/T, Synthetic and Glass Fibers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.05 |
| 51-6092 | Fabric and Apparel Pattern Makers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$28.20 + |
| 51-6099 | Textile, Apparel, and Furnishings Workers, All Other | High school diploma or equivalent | None | Short-term on-the-job training | \$14.45 |
| 51-7011 | Cabinetmakers and Bench Carpenters | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.05 |
| 51-7021 | Furniture Finishers | High school diploma or equivalent | None | Short-term on-the-job training | \$17.74 |
| 51-7041 | Sawing Machine S/O/T, Wood | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.83 |
| 51-7042 | Woodworking Machine S/O/T, except Sawing | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.48 |
| 51-7099 | Woodworkers, All Other | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.92 |
| 51-8012 | Power Distributors and Dispatchers | High school diploma or equivalent | None | Long-term on-the-job training | \$40.60 |
| 51-8013 | Power Plant Operators | High school diploma or equivalent | None | Long-term on-the-job training | \$38.87 |
| 51-8021 | Stationary Engineers and Boiler Operators | High school diploma or equivalent | None | Long-term on-the-job training | \$30.08 |
| 51-8031 | Water and Wastewater Treatment Plant and System Operators | High school diploma or equivalent | None | Long-term on-the-job training | \$23.24 |
| 51-8091 | Chemical Plant and System Operators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$36.97 |
| 51-8092 | Gas Plant Operators | High school diploma or equivalent | None | Long-term on-the-job training | \$22.83 |
| 51-8093 | Petroleum Pump System Operators, Refinery Operators, and Gaugers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$46.65 |
| 51-9011 | Chemical Equipment Operators and Tenders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.01 |
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| | | | Commonly Required | Typical On-The-Job | Median |
|---------|---|-----------------------------------|----------------------------|-----------------------------------|---------------|
| soc | | Typical Education**** | Work Experience in | Training | Wage*** |
| | Occupational Title** | Required for Entry | Related Occupations | to Obtain Competency | May 2021 |
| 51-9012 | Separating, Filtering, Clarifying, Precipitating, and Still Machine S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.52 |
| 51-9021 | Crushing, Grinding, and Polishing Machine S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.50 |
| 51-9022 | Grinding and Polishing Workers, Hand | No formal educational credential | None | Moderate-term on-the-job training | \$18.13 |
| 51-9023 | Mixing and Blending Machine S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.13 |
| 51-9032 | Cutting and Slicing Machine S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.09 |
| 51-9041 | Extruding, Forming, Pressing, and Compacting Machine S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.92 |
| 51-9051 | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.95 |
| 51-9061 | Inspectors, Testers, Sorters, Samplers, and Weighers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.30 |
| 51-9071 | Jewelers and Precious Stone and Metal Workers | High school diploma or equivalent | None | Long-term on-the-job training | \$22.42 |
| 51-9081 | Dental Laboratory Technicians | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.42 |
| 51-9082 | Medical Appliance Technicians | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.87 |
| 51-9083 | Ophthalmic Laboratory Technicians | High school diploma or equivalent | None | Moderate-term on-the-job training | \$16.65 |
| 51-9111 | Packaging and Filling Machine Operators and Tenders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.65 |
| 51-9123 | Painting, Coating, and Decorating Workers | No formal educational credential | None | Moderate-term on-the-job training | \$18.09 |
| 51-9124 | Coating, Painting, and Spraying Machine S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.18 |
| 51-9151 | Photographic Process Workers and Processing Machine Operators | High school diploma or equivalent | None | Short-term on-the-job training | \$18.24 |
| 51-9161 | Computer Numerically Controlled Tool Operators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$19.19 |
| 51-9162 | Computer Numerically Controlled Tool Programmers | Postsecondary non-degree award | None | Moderate-term on-the-job training | \$27.68 |
| 51-9191 | Adhesive Bonding Machine Operators and Tenders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.15 |
| 51-9192 | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.48 |
| 51-9193 | Cooling and Freezing Equipment Operators and Tenders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$22.81 |
| 51-9194 | Etchers and Engravers | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.95 |
| 51-9195 | Molders, Shapers, and Casters, except M/P | High school diploma or equivalent | None | Long-term on-the-job training | \$18.06 |
| 51-9196 | Paper Goods Machine S/O/T | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.35 |
| 51-9197 | Tire Builders | High school diploma or equivalent | None | Moderate-term on-the-job training | \$18.23 |
| 51-9198 | HelpersProduction Workers | High school diploma or equivalent | None | Short-term on-the-job training | \$17.23 |
| 51-9199 | Production Workers, All Other | High school diploma or equivalent | None | Moderate-term on-the-job training | \$17.74 |
| 53-0000 | Transportation and Material Moving Occupations | | | | \$17.70 |
| 53-1041 | Aircraft Cargo Handling Supervisors | High school diploma or equivalent | Less than 5 years | None | \$37.26 |
| 53-1047 | FL Sup of Trans/MatMov. Workers, Ex. Aircraft Cargo Handling | High school diploma or equivalent | Less than 5 years | None | \$23.73 |
| 53-2011 | Airline Pilots, Copilots, and Flight Engineers | Bachelor's degree | Less than 5 years | Moderate-term on-the-job training | \$201,720 +++ |
| 53-2012 | Commercial Pilots | High school diploma or equivalent | None | Moderate-term on-the-job training | \$119,560 *** |
| 53-2021 | Air Traffic Controllers | Associate's degree | None | Long-term on-the-job training | \$67.83 |
| 53-2022 | Airfield Operations Specialists | High school diploma or equivalent | None | Long-term on-the-job training | \$28.02 |
| 53-2031 | Flight Attendants | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$60,360 *** |
| 53-3011 | Ambulance Drivers and Attendants, except Emergency Medical Technicians | High school diploma or equivalent | None | Moderate-term on-the-job training | \$13.43 |
| 53-3031 | Driver/Sales Workers | High school diploma or equivalent | None | Short-term on-the-job training | \$11.62 |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | Postsecondary non-degree award | None | Short-term on-the-job training | \$23.17 |
| 53-3033 | Light Truck or Delivery Services Drivers | High school diploma or equivalent | None | Short-term on-the-job training | \$18.00 |
| 53-3052 | Bus Drivers, Transit and Intercity | High school diploma or equivalent | None | Moderate-term on-the-job training | \$23.37 |
| 53-3058 | Passenger Vehicle Drivers, except Bus Drivers, Transit and Intercity | No formal educational credential | None | Short-term on-the-job training | |
| 53-3099 | Motor Vehicle Operators, All Other | No formal educational credential | None | Short-term on-the-job training | \$13.66 |
| 53-4011 | Locomotive Engineers | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$39.27 |
| 53-4031 | Railroad Conductors and Yardmasters | High school diploma or equivalent | None | Moderate-term on-the-job training | \$30.22 |
| 53-5011 | Sailors and Marine Oilers | No formal educational credential | None | Moderate-term on-the-job training | \$18.45 |
| 53-5021 | Captains, Mates, and Pilots of Water Vessels | Postsecondary non-degree award | Less than 5 years | None | \$36.35 |
| 53-6011 | Bridge and Lock Tenders | High school diploma or equivalent | None | Short-term on-the-job training | \$23.14 |
| 53-6021 | Parking Lot Attendants | No formal educational credential | None | Short-term on-the-job training | \$11.54 |
| 53-6031 | Automotive and Watercraft Service Attendants | No formal educational credential | None | Short-term on-the-job training | \$13.70 |
| 53-6041 | Traffic Technicians | High school diploma or equivalent | None | Moderate-term on-the-job training | \$28.78 |

| SOC Code ¹ | Occupational Title** | Typical Education**** Required for Entry | Commonly Required Work Experience in Related Occupations | Typical On-The-Job Training to Obtain Competency | Median Wage*** May 2021 |
|--------------------------|---|---|--|--|-------------------------------|
| 53-6051 | Transportation Inspectors | High school diploma or equivalent | None | Moderate-term on-the-job training | \$30.53 |
| 53-6061 | Transportation Attendants, except Flight Attendants | High school diploma or equivalent | None | Short-term on-the-job training | \$11.76 |
| 53-6098 | Aircraft Service Attendants and Transportation Workers, All Other | High school diploma or equivalent | None | Short-term on-the-job training | \$21.88 |
| 53-7011 | Conveyor Operators and Tenders | No formal educational credential | None | Short-term on-the-job training | \$22.28 |
| 53-7021 | Crane and Tower Operators | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$23.74 |
| 53-7051 | Industrial Truck and Tractor Operators | No formal educational credential | None | Short-term on-the-job training | \$18.51 |
| 53-7061 | Cleaners of Vehicles and Equipment | No formal educational credential | None | Short-term on-the-job training | \$14.06 |
| 53-7062 | Laborers and Freight, Stock, and Material Movers, Hand | No formal educational credential | None | Short-term on-the-job training | \$16.37 |
| 53-7063 | Machine Feeders and Offbearers | No formal educational credential | None | Short-term on-the-job training | \$20.86 |
| 53-7064 | Packers and Packagers, Hand | No formal educational credential | None | Short-term on-the-job training | \$14.40 |
| 53-7065 | Stockers and Order Fillers | High school diploma or equivalent | None | Short-term on-the-job training | \$14.39 |
| 53-7071 | Gas Compressor and Gas Pumping Station Operators | High school diploma or equivalent | None | Moderate-term on-the-job training | \$38.95 |
| 53-7073 | Wellhead Pumpers | High school diploma or equivalent | Less than 5 years | Moderate-term on-the-job training | \$17.55 |
| 53-7081 | Refuse and Recyclable Material Collectors | No formal educational credential | None | Short-term on-the-job training | \$18.62 |
| 53-7121 | Tank Car, Truck, and Ship Loaders | No formal educational credential | None | Short-term on-the-job training | \$21.75 |
| 53-7199 | Material Moving Workers, All Other | No formal educational credential | None | Short-term on-the-job training | \$17.33 |

¹ Occupational codes based on SOC 2010 coding structure. Detailed information - http://www.bls.gov/soc/

* Occupations with 100 or more workers.

** Title Abbreviations

FL Sup = First-Line Supervisors

M/P = Metal and Plastic

S/O/T = Setters, Operators, and Tenders

Wages above max.

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, June 2022.

*** Wage estimates are based on Ohio's OEWS surveys.

**** Education, experience and training levels associated with occupations were based on national data provided by the BLS.

▲ Wage data unavailable.

+ National hourly median wages.

++ National aggregate hourly median wages.

+++ Certain occupations report wages at the annual level - for elementary and secondary teachers

this typically reflects the 9 1/2 month school year.



Bureau of Labor Market Information Business Principles for Workforce Development

- Partner with the workforce and economic development community.
- Develop and deploy new information solution tools and systems for the workforce and economic development community.
- Provide products and services that are customer- and demand-driven.
- Be known as an important and reliable source for information solutions that support workforce development goals and outcomes.

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Mike DeWine, Governor Jon Husted, Lt. Governor State of Ohio Ohio.gov

Matt Damschroder, Director Ohio Department of Job and Family Services jfs.ohio.gov

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