

## WDA 10 South Central Occupational Projections, 2006-2016

(Columbia, Dane, Dodge, Jefferson, Marquette, and Sauk counties)

Occupations that actually had employment=0 were deleted.

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |                |               |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|----------------|---------------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016           | Change        | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| <b>00-0000</b> | <b>Total, All Occupations</b>                                     | <b>453,910</b>                      | <b>493,630</b> | <b>39,720</b> | <b>8.8%</b> | <b>3,970</b>            | <b>10,070</b>               | <b>14,040</b>        |  | <b>\$37,884</b>                 | <b>\$9.01</b>                   | <b>\$22.81</b>                  |
| <b>11-0000</b> | <b>Management Occupations</b>                                     | <b>16,560</b>                       | <b>17,490</b>  | <b>930</b>    | <b>5.6%</b> | <b>90</b>               | <b>380</b>                  | <b>470</b>           |  | <b>\$85,856</b>                 | <b>\$22.49</b>                  | <b>\$50.67</b>                  |
| 11-1011        | Chief Executives  | 680                                 | 660            | -20           | -2.9%       | 0                       | 20                          | 20                   | Bachelor's or higher degree, plus work experience  | \$149,922                       | \$44.36                         | \$85.94                         |
| 11-1021        | General and Operations Managers                                   | 4,280                               | 4,240          | -40           | -0.9%       | 0                       | 100                         | 100                  | Bachelor's or higher degree, plus work experience  | \$97,072                        | \$24.55                         | \$57.73                         |
| 11-1031        | Legislators   | 770                                 | 730            | -40           | -5.2%       | 0                       | 20                          | 20                   | Bachelor's or higher degree, plus work experience  | \$23,114                        | *                               | *                               |
| 11-2011        | Advertising and Promotions Managers                               | 90                                  | 90             | 0             | 0.0%        | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$67,844                        | \$21.06                         | \$38.40                         |
| 11-2021        | Marketing Managers  | 280                                 | 310            | 30            | 10.7%       | <5                      | 10                          | 10                   | Bachelor's or higher degree, plus work experience  | \$90,247                        | \$26.37                         | \$51.90                         |
| 11-2022        | Sales Managers  | 740                                 | 810            | 70            | 9.5%        | 10                      | 20                          | 30                   | Bachelor's or higher degree, plus work experience  | \$87,636                        | \$24.99                         | \$50.71                         |
| 11-2031        | Public Relations Managers   | 120                                 | 140            | 20            | 16.7%       | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$95,940                        | \$23.03                         | \$57.67                         |
| 11-3011        | Administrative Services Managers                                  | 550                                 | 590            | 40            | 7.3%        | <5                      | 20                          | 20                   | Bachelor's or higher degree, plus work experience  | \$69,118                        | \$21.56                         | \$39.07                         |
| 11-3021        | Computer and Information Systems Managers                         | 860                                 | 970            | 110           | 12.8%       | 10                      | 10                          | 20                   | Bachelor's or higher degree, plus work experience  | \$90,555                        | \$31.82                         | \$49.40                         |
| 11-3031        | Financial Managers  | 1,000                               | 1,100          | 100           | 10.0%       | 10                      | 20                          | 30                   | Bachelor's or higher degree, plus work experience  | \$96,602                        | \$27.86                         | \$55.74                         |
| 11-3041        | Compensation and Benefits Managers                                | 120                                 | 130            | 10            | 8.3%        | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$81,828                        | \$26.22                         | \$45.90                         |
| 11-3042        | Training and Development Managers                                 | 80                                  | 90             | 10            | 12.5%       | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$79,683                        | \$28.16                         | \$43.38                         |
| 11-3049        | Human Resources Managers, All Other                               | 160                                 | 170            | 10            | 6.3%        | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$84,480                        | \$26.80                         | \$47.52                         |
| 11-3051        | Industrial Production Managers                                    | 640                                 | 660            | 20            | 3.1%        | <5                      | 20                          | 20                   | Bachelor's or higher degree, plus work experience  | \$73,781                        | \$24.87                         | \$40.77                         |
| 11-3061        | Purchasing Managers   | 180                                 | 190            | 10            | 5.6%        | <5                      | 10                          | 10                   | Bachelor's or higher degree, plus work experience  | \$75,677                        | \$24.40                         | \$42.37                         |
| 11-3071        | Transportation, Storage, and Distribution Managers                | 210                                 | 230            | 20            | 9.5%        | <5                      | 10                          | 10                   | Work experience in a related occupation            | \$67,087                        | \$22.13                         | \$37.31                         |
| 11-9011        | Farm, Ranch, and Other Agricultural Managers                      | *                                   | *              | *             | *           | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | *                               | *                               | *                               |
| 11-9021        | Construction Managers   | 460                                 | 540            | 80            | 17.4%       | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$87,830                        | \$23.60                         | \$51.54                         |
| 11-9031        | Education Administrators, Preschool and Child Care Center/Program | 240                                 | 270            | 30            | 12.5%       | <5                      | 10                          | 10                   | Bachelor's or higher degree, plus work experience  | \$36,717                        | \$13.35                         | \$19.81                         |
| 11-9032        | Education Administrators, Elementary and Secondary School         | 740                                 | 750            | 10            | 1.4%        | <5                      | 20                          | 20                   | Bachelor's or higher degree, plus work experience  | \$75,797                        | *                               | *                               |
| 11-9033        | Education Administrators, Postsecondary                           | 590                                 | 630            | 40            | 6.8%        | <5                      | 20                          | 20                   | Bachelor's or higher degree, plus work experience  | \$80,550                        | \$25.62                         | \$45.28                         |
| 11-9039        | Education Administrators, All Other                               | 90                                  | 100            | 10            | 11.1%       | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$63,113                        | \$24.16                         | \$33.43                         |
| 11-9041        | Engineering Managers  | 530                                 | 570            | 40            | 7.5%        | <5                      | 10                          | 10                   | Bachelor's or higher degree, plus work experience  | \$90,226                        | \$33.13                         | \$48.50                         |
| 11-9051        | Food Service Managers   | 570                                 | 600            | 30            | 5.3%        | <5                      | 10                          | 10                   | Work experience in a related occupation            | \$40,015                        | \$12.69                         | \$22.51                         |
| 11-9061        | Funeral Directors   | 90                                  | 100            | 10            | 11.1%       | <5                      | <5                          | <5                   | Associate degree                                   | \$46,148                        | \$13.15                         | \$26.71                         |
| 11-9071        | Gaming Managers   | *                                   | *              | *             | *           | <5                      | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 11-9081        | Lodging Managers  | 100                                 | 120            | 20            | 20.0%       | <5                      | <5                          | <5                   | Work experience in a related occupation            | \$56,737                        | \$16.70                         | \$32.57                         |
| 11-9111        | Medical and Health Services Managers                              | 570                                 | 670            | 100           | 17.5%       | 10                      | 10                          | 20                   | Bachelor's or higher degree, plus work experience  | \$83,836                        | \$23.72                         | \$48.60                         |
| 11-9121        | Natural Sciences Managers   | 150                                 | 160            | 10            | 6.7%        | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$95,860                        | \$29.51                         | \$54.38                         |
| 11-9131        | Postmasters and Mail Superintendents                              | *                                   | *              | *             | *           | 0                       | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |

| SOC Code       | Occupational Title   | Estimated Employment <sup>(1)</sup> |               |              |              | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|--|-------------------------------------|---------------|--------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |  | 2006                                | 2016          | Change       | % Change     | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 11-9141        | Property, Real Estate, and Community Association Managers                                    | 150                                 | 180           | 30           | 20.0%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$85,747                        | \$24.29                         | \$49.69                         |
| 11-9151        | Social and Community Service Managers  | 400                                 | 460           | 60           | 15.0%        | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$51,800                        | \$16.42                         | \$29.14                         |
| 11-9199        | Managers, All Other  | 1,040                               | 1,110         | 70           | 6.7%         | 10                      | 20                          | 30                   | Work experience in a related occupation            | \$86,758                        | \$27.41                         | \$48.86                         |
| <b>13-0000</b> | <b>Business and Financial Operations Occupations</b>   | <b>21,580</b>                       | <b>24,160</b> | <b>2,580</b> | <b>12.0%</b> | <b>260</b>              | <b>380</b>                  | <b>640</b>           |  | <b>\$53,436</b>                 | <b>\$15.96</b>                  | <b>\$30.56</b>                  |
| 13-1011        | Agents and Business Managers of Artists, Performers, and Athletes                            | 20                                  | 20            | 0            | 0.0%         | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$25,228                        | \$10.03                         | \$13.18                         |
| 13-1021        | Purchasing Agents and Buyers, Farm Products  | 80                                  | 80            | 0            | 0.0%         | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$41,976                        | \$15.37                         | \$22.59                         |
| 13-1022        | Wholesale and Retail Buyers, Except Farm Products  | 340                                 | 320           | -20          | -5.9%        | 0                       | 10                          | 10                   | Bachelor's degree                                  | \$48,048                        | \$14.09                         | \$27.60                         |
| 13-1023        | Purchasing Agents, Except Wholesale, Retail, and Farm Products                               | 1,030                               | 1,060         | 30           | 2.9%         | <5                      | 20                          | 20                   | Bachelor's degree                                  | \$47,565                        | \$16.23                         | \$26.19                         |
| 13-1031        | Claims Adjusters, Examiners, and Investigators   | 1,480                               | 1,580         | 100          | 6.8%         | 10                      | 40                          | 50                   | Long-term on-the-job training                      | \$51,979                        | \$16.58                         | \$29.19                         |
| 13-1032        | Insurance Appraisers, Auto Damage  | 60                                  | 70            | 10           | 16.7%        | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$46,496                        | \$17.72                         | \$24.67                         |
| 13-1041        | Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation | 910                                 | 940           | 30           | 3.3%         | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$50,968                        | \$14.42                         | \$29.55                         |
| 13-1051        | Cost Estimators  | 750                                 | 880           | 130          | 17.3%        | 10                      | 20                          | 30                   | Bachelor's degree                                  | \$58,191                        | \$17.88                         | \$33.02                         |
| 13-1061        | Emergency Management Specialists   | 50                                  | 60            | 10           | 20.0%        | <5                      | <5                          | <5                   | Work experience in a related occupation            | \$50,964                        | \$16.40                         | \$28.55                         |
| 13-1071        | Employment, Recruitment, and Placement Specialists   | 480                                 | 560           | 80           | 16.7%        | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$43,880                        | \$15.14                         | \$24.07                         |
| 13-1072        | Compensation, Benefits, and Job Analysis Specialists   | 450                                 | 500           | 50           | 11.1%        | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$52,471                        | \$17.69                         | \$28.99                         |
| 13-1073        | Training and Development Specialists   | 720                                 | 790           | 70           | 9.7%         | 10                      | 20                          | 30                   | Bachelor's or higher degree, plus work experience  | \$43,510                        | \$14.06                         | \$24.35                         |
| 13-1079        | Human Resources, Training, and Labor Relations Specialists, All Other                        | 1,670                               | 1,800         | 130          | 7.8%         | 10                      | 40                          | 50                   | Bachelor's degree                                  | \$50,072                        | \$13.48                         | \$29.37                         |
| 13-1081        | Logisticians   | 200                                 | 230           | 30           | 15.0%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$58,681                        | \$21.79                         | \$31.42                         |
| 13-1111        | Management Analysts  | 1,230                               | 1,330         | 100          | 8.1%         | 10                      | 20                          | 30                   | Bachelor's or higher degree, plus work experience  | \$59,114                        | \$19.04                         | \$33.11                         |
| 13-1121        | Meeting and Convention Planners  | 160                                 | 180           | 20           | 12.5%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$41,780                        | \$15.19                         | \$22.53                         |
| 13-1199        | Business Operations Specialists, All Other   | 4,170                               | 4,960         | 790          | 18.9%        | 80                      | 50                          | 130                  | Bachelor's degree                                  | \$53,081                        | \$13.20                         | \$31.68                         |
| 13-2011        | Accountants and Auditors   | 3,680                               | 4,220         | 540          | 14.7%        | 50                      | 70                          | 120                  | Bachelor's degree                                  | \$58,364                        | \$19.62                         | \$32.28                         |
| 13-2021        | Appraisers and Assessors of Real Estate  | 320                                 | 370           | 50           | 15.6%        | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$41,170                        | \$12.08                         | \$23.65                         |
| 13-2031        | Budget Analysts  | 220                                 | 220           | 0            | 0.0%         | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$55,710                        | \$21.46                         | \$29.44                         |
| 13-2041        | Credit Analysts  | 150                                 | 140           | -10          | -6.7%        | 0                       | 10                          | 10                   | Bachelor's degree                                  | \$47,087                        | \$16.62                         | \$25.65                         |
| 13-2051        | Financial Analysts   | 360                                 | 450           | 90           | 25.0%        | 10                      | <5                          | 10                   | Bachelor's degree                                  | \$59,393                        | \$18.59                         | \$33.54                         |
| 13-2052        | Personal Financial Advisors  | 260                                 | 370           | 110          | 42.3%        | 10                      | <5                          | 10                   | Bachelor's degree                                  | \$73,021                        | \$21.27                         | \$42.03                         |
| 13-2053        | Insurance Underwriters   | 680                                 | 740           | 60           | 8.8%         | 10                      | 20                          | 30                   | Bachelor's degree                                  | \$48,178                        | \$16.28                         | \$26.60                         |
| 13-2061        | Financial Examiners  | 120                                 | 120           | 0            | 0.0%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$74,835                        | \$22.12                         | \$42.91                         |
| 13-2071        | Loan Counselors  | 30                                  | 30            | 0            | 0.0%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$38,485                        | \$11.10                         | \$22.20                         |
| 13-2072        | Loan Officers  | 1,250                               | 1,420         | 170          | 13.6%        | 20                      | 10                          | 30                   | Bachelor's degree                                  | \$55,447                        | \$17.44                         | \$31.26                         |
| 13-2081        | Tax Examiners, Collectors, and Revenue Agents  | *                                   | *             | *            | *            | <5                      | 10                          | 10                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 13-2082        | Tax Preparers  | 250                                 | 240           | -10          | -4.0%        | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | \$46,125                        | \$14.99                         | \$25.77                         |
| 13-2099        | Financial Specialists, All Other   | 250                                 | 280           | 30           | 12.0%        | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$54,379                        | \$17.60                         | \$30.42                         |

| SOC Code       | Occupational Title   | Estimated Employment <sup>(1)</sup> |               |              |              | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|--|-------------------------------------|---------------|--------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |  | 2006                                | 2016          | Change       | % Change     | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| <b>15-0000</b> | <b>Computer and Mathematical Occupations</b>                               | <b>10,400</b>                       | <b>12,590</b> | <b>2,190</b> | <b>21.1%</b> | <b>220</b>              | <b>230</b>                  | <b>450</b>           |  | <b>\$60,360</b>                 | <b>\$18.18</b>                  | <b>\$34.44</b>                  |
| 15-1011        | Computer and Information Scientists, Research                              | 30                                  | 40            | 10           | 33.3%        | <5                      | <5                          | <5                   | Doctoral degree                                    | \$74,075                        | \$28.80                         | \$39.02                         |
| 15-1021        | Computer Programmers   | 1,110                               | 1,020         | -90          | -8.1%        | 0                       | 20                          | 20                   | Bachelor's degree                                  | \$54,346                        | \$16.49                         | \$30.95                         |
| 15-1031        | Computer Software Engineers, Applications                                  | 1,970                               | 2,770         | 800          | 40.6%        | 80                      | 30                          | 110                  | Bachelor's degree                                  | \$71,781                        | \$22.11                         | \$40.71                         |
| 15-1032        | Computer Software Engineers, Systems Software                              | 680                                 | 880           | 200          | 29.4%        | 20                      | 10                          | 30                   | Bachelor's degree                                  | \$83,476                        | \$27.82                         | \$46.29                         |
| 15-1041        | Computer Support Specialists   | 1,790                               | 1,960         | 170          | 9.5%         | 20                      | 60                          | 80                   | Associate degree                                   | \$40,574                        | \$13.89                         | \$22.32                         |
| 15-1051        | Computer Systems Analysts  | 2,150                               | 2,560         | 410          | 19.1%        | 40                      | 60                          | 100                  | Bachelor's degree                                  | \$64,044                        | \$23.46                         | \$34.46                         |
| 15-1061        | Database Administrators  | 330                                 | 410           | 80           | 24.2%        | 10                      | <5                          | 10                   | Bachelor's degree                                  | \$63,205                        | \$21.10                         | \$35.03                         |
| 15-1071        | Network and Computer Systems Administrators                                | 970                                 | 1,160         | 190          | 19.6%        | 20                      | 20                          | 40                   | Bachelor's degree                                  | \$58,797                        | \$20.58                         | \$32.11                         |
| 15-1081        | Network Systems and Data Communications Analysts                           | 830                                 | 1,190         | 360          | 43.4%        | 40                      | 20                          | 60                   | Bachelor's degree                                  | \$56,943                        | \$19.37                         | \$31.38                         |
| 15-1099        | Computer Specialists, All Other  | 240                                 | 270           | 30           | 12.5%        | <5                      | 10                          | 10                   | Associate degree                                   | \$52,608                        | \$12.80                         | \$31.54                         |
| 15-2011        | Actuaries  | 140                                 | 160           | 20           | 14.3%        | <5                      | 10                          | 10                   | Bachelor's or higher degree, plus work experience  | \$79,535                        | \$24.21                         | \$45.25                         |
| 15-2021        | Mathematicians   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 15-2031        | Operations Research Analysts   | 80                                  | 90            | 10           | 12.5%        | <5                      | <5                          | <5                   | Master's degree                                    | \$52,678                        | \$18.50                         | \$28.74                         |
| 15-2041        | Statisticians  | 60                                  | 60            | 0            | 0.0%         | <5                      | <5                          | <5                   | Master's degree                                    | \$63,239                        | \$20.34                         | \$35.44                         |
| 15-2091        | Mathematical Technicians   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Master's degree                                    | *                               | *                               | *                               |
| 15-2099        | Mathematical Science Occupations, All Other                                | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Master's degree                                    | *                               | *                               | *                               |
| <b>17-0000</b> | <b>Architecture and Engineering Occupations</b>                            | <b>8,760</b>                        | <b>9,450</b>  | <b>690</b>   | <b>7.9%</b>  | <b>70</b>               | <b>210</b>                  | <b>280</b>           |  | <b>\$57,727</b>                 | <b>\$17.72</b>                  | <b>\$32.77</b>                  |
| 17-1011        | Architects, Except Landscape and Naval                                     | 390                                 | 420           | 30           | 7.7%         | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$60,583                        | \$16.85                         | \$35.27                         |
| 17-1012        | Landscape Architects   | 100                                 | 110           | 10           | 10.0%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$51,463                        | \$20.29                         | \$26.97                         |
| 17-1021        | Cartographers and Photogrammetrists  | 30                                  | 40            | 10           | 33.3%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$43,733                        | \$15.09                         | \$23.99                         |
| 17-1022        | Surveyors  | 350                                 | 390           | 40           | 11.4%        | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$58,888                        | \$17.86                         | \$33.54                         |
| 17-2011        | Aerospace Engineers  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 17-2021        | Agricultural Engineers   | 20                                  | 20            | 0            | 0.0%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$68,245                        | \$25.12                         | \$36.66                         |
| 17-2031        | Biomedical Engineers   | 70                                  | 90            | 20           | 28.6%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$74,154                        | \$24.55                         | \$41.20                         |
| 17-2041        | Chemical Engineers   | 90                                  | 100           | 10           | 11.1%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$77,784                        | \$26.60                         | \$42.80                         |
| 17-2051        | Civil Engineers  | 1,130                               | 1,210         | 80           | 7.1%         | 10                      | 30                          | 40                   | Bachelor's degree                                  | \$67,562                        | \$23.11                         | \$37.17                         |
| 17-2061        | Computer Hardware Engineers  | 170                                 | 190           | 20           | 11.8%        | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$61,377                        | \$18.23                         | \$35.14                         |
| 17-2071        | Electrical Engineers   | 640                                 | 680           | 40           | 6.3%         | <5                      | 20                          | 20                   | Bachelor's degree                                  | \$63,350                        | \$22.79                         | \$34.29                         |
| 17-2072        | Electronics Engineers, Except Computer                                     | 320                                 | 330           | 10           | 3.1%         | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$61,787                        | \$19.16                         | \$34.98                         |
| 17-2081        | Environmental Engineers  | 310                                 | 340           | 30           | 9.7%         | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$65,855                        | \$24.96                         | \$35.01                         |
| 17-2111        | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors | 30                                  | 40            | 10           | 33.3%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$59,833                        | \$21.05                         | \$32.63                         |
| 17-2112        | Industrial Engineers   | 610                                 | 770           | 160          | 26.2%        | 20                      | 20                          | 40                   | Bachelor's degree                                  | \$61,026                        | \$23.12                         | \$32.45                         |
| 17-2121        | Marine Engineers and Naval Architects                                      | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 17-2131        | Materials Engineers  | 80                                  | 90            | 10           | 12.5%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$67,591                        | \$25.08                         | \$36.21                         |
| 17-2141        | Mechanical Engineers   | 1,070                               | 1,130         | 60           | 5.6%         | 10                      | 20                          | 30                   | Bachelor's degree                                  | \$65,992                        | \$22.82                         | \$36.18                         |
| 17-2151        | Mining and Geological Engineers, Including Mining Safety Engineers         | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |

| SOC Code       | Occupational Title   | Estimated Employment <sup>(1)</sup> |              |            |              | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|--|-------------------------------------|--------------|------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |  | 2006                                | 2016         | Change     | % Change     | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 17-2161        | Nuclear Engineers  | *                                   | *            | *          | *            | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 17-2199        | Engineers, All Other                                       | 250                                 | 270          | 20         | 8.0%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$89,718                        | \$25.84                         | \$51.78                         |
| 17-3011        | Architectural and Civil Drafters                           | 430                                 | 420          | -10        | -2.3%        | 0                       | 10                          | 10                   | Postsecondary vocational training                  | \$43,324                        | \$15.31                         | \$23.59                         |
| 17-3012        | Electrical and Electronics Drafters                        | 130                                 | 130          | 0          | 0.0%         | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$47,246                        | \$16.98                         | \$25.58                         |
| 17-3013        | Mechanical Drafters  | 550                                 | 570          | 20         | 3.6%         | <5                      | 20                          | 20                   | Postsecondary vocational training                  | \$42,252                        | \$14.79                         | \$23.08                         |
| 17-3019        | Drafters, All Other  | 60                                  | 70           | 10         | 16.7%        | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$33,009                        | \$11.43                         | \$18.09                         |
| 17-3021        | Aerospace Engineering and Operations Technicians           | *                                   | *            | *          | *            | <5                      | <5                          | <5                   | Associate degree                                   | *                               | *                               | *                               |
| 17-3022        | Civil Engineering Technicians                              | 500                                 | 500          | 0          | 0.0%         | <5                      | 10                          | 10                   | Associate degree                                   | \$41,512                        | \$15.51                         | \$22.18                         |
| 17-3023        | Electrical and Electronic Engineering Technicians          | 520                                 | 540          | 20         | 3.8%         | <5                      | 10                          | 10                   | Associate degree                                   | \$48,764                        | \$17.37                         | \$26.48                         |
| 17-3024        | Electro-Mechanical Technicians                             | *                                   | *            | *          | *            | <5                      | <5                          | <5                   | Associate degree                                   | *                               | *                               | *                               |
| 17-3025        | Environmental Engineering Technicians                      | 50                                  | 60           | 10         | 20.0%        | <5                      | <5                          | <5                   | Associate degree                                   | \$46,949                        | \$17.36                         | \$25.18                         |
| 17-3026        | Industrial Engineering Technicians                         | 200                                 | 230          | 30         | 15.0%        | <5                      | <5                          | <5                   | Associate degree                                   | \$42,887                        | \$15.54                         | \$23.16                         |
| 17-3027        | Mechanical Engineering Technicians                         | 230                                 | 250          | 20         | 8.7%         | <5                      | 10                          | 10                   | Associate degree                                   | \$39,028                        | \$12.69                         | \$21.80                         |
| 17-3029        | Engineering Technicians, Except Drafters, All Other        | 110                                 | 120          | 10         | 9.1%         | <5                      | <5                          | <5                   | Associate degree                                   | \$47,050                        | \$16.13                         | \$25.86                         |
| 17-3031        | Surveying and Mapping Technicians                          | 230                                 | 250          | 20         | 8.7%         | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$33,541                        | \$12.15                         | \$18.11                         |
| <b>19-0000</b> | <b>Life, Physical, and Social Science Occupations</b>      | <b>5,620</b>                        | <b>6,180</b> | <b>560</b> | <b>10.0%</b> | <b>60</b>               | <b>140</b>                  | <b>200</b>           |  | <b>\$49,737</b>                 | <b>\$15.39</b>                  | <b>\$28.17</b>                  |
| 19-1011        | Animal Scientists  | 20                                  | 30           | 10         | 50.0%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$54,404                        | \$18.87                         | \$29.80                         |
| 19-1012        | Food Scientists and Technologists                          | 80                                  | 80           | 0          | 0.0%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$48,622                        | \$17.78                         | \$26.18                         |
| 19-1013        | Soil and Plant Scientists                                  | 90                                  | 90           | 0          | 0.0%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$46,197                        | \$17.82                         | \$24.40                         |
| 19-1021        | Biochemists and Biophysicists                              | 120                                 | 140          | 20         | 16.7%        | <5                      | <5                          | <5                   | Doctoral degree                                    | \$56,292                        | \$18.97                         | \$31.11                         |
| 19-1022        | Microbiologists  | 190                                 | 250          | 60         | 31.6%        | 10                      | <5                          | 10                   | Doctoral degree                                    | \$50,701                        | \$18.68                         | \$27.22                         |
| 19-1023        | Zoologists and Wildlife Biologists                         | 110                                 | 110          | 0          | 0.0%         | <5                      | <5                          | <5                   | Doctoral degree                                    | \$45,143                        | \$17.70                         | \$23.70                         |
| 19-1029        | Biological Scientists, All Other                           | 120                                 | 120          | 0          | 0.0%         | <5                      | <5                          | <5                   | Doctoral degree                                    | \$47,765                        | \$19.01                         | \$24.94                         |
| 19-1031        | Conservation Scientists                                    | 250                                 | 230          | -20        | -8.0%        | 0                       | 10                          | 10                   | Bachelor's degree                                  | \$60,643                        | \$21.84                         | \$32.81                         |
| 19-1032        | Foresters  | 150                                 | 160          | 10         | 6.7%         | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$43,681                        | \$18.41                         | \$22.30                         |
| 19-1041        | Epidemiologists  | *                                   | *            | *          | *            | <5                      | <5                          | <5                   | Master's degree                                    | *                               | *                               | *                               |
| 19-1042        | Medical Scientists, Except Epidemiologists                 | 350                                 | 400          | 50         | 14.3%        | 10                      | 10                          | 20                   | Doctoral degree                                    | \$51,574                        | \$18.33                         | \$28.03                         |
| 19-1099        | Life Scientists, All Other                                 | 10                                  | 10           | 0          | 0.0%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$48,740                        | \$17.61                         | \$26.34                         |
| 19-2011        | Astronomers  | *                                   | *            | *          | *            | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 19-2012        | Physicists   | 60                                  | 70           | 10         | 16.7%        | <5                      | <5                          | <5                   | Doctoral degree                                    | \$52,999                        | \$19.85                         | \$28.29                         |
| 19-2021        | Atmospheric and Space Scientists                           | *                                   | *            | *          | *            | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 19-2031        | Chemists   | 450                                 | 520          | 70         | 15.6%        | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$48,923                        | \$15.85                         | \$27.36                         |
| 19-2032        | Materials Scientists                                       | 120                                 | 140          | 20         | 16.7%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$71,187                        | \$18.28                         | \$42.20                         |
| 19-2041        | Environmental Scientists and Specialists, Including Health | 340                                 | 370          | 30         | 8.8%         | <5                      | 10                          | 10                   | Master's degree                                    | \$49,917                        | \$18.31                         | \$26.84                         |
| 19-2042        | Geoscientists, Except Hydrologists and Geographers         | 40                                  | 50           | 10         | 25.0%        | <5                      | <5                          | <5                   | Master's degree                                    | \$74,909                        | \$19.65                         | \$44.19                         |
| 19-2043        | Hydrologists   | 120                                 | 120          | 0          | 0.0%         | <5                      | <5                          | <5                   | Master's degree                                    | \$73,647                        | \$27.47                         | \$39.38                         |
| 19-2099        | Physical Scientists, All Other                             | 70                                  | 80           | 10         | 14.3%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$44,891                        | \$19.17                         | \$22.79                         |
| 19-3011        | Economists   | 60                                  | 60           | 0          | 0.0%         | <5                      | <5                          | <5                   | Master's degree                                    | \$85,457                        | \$21.72                         | \$50.77                         |
| 19-3021        | Market Research Analysts                                   | 680                                 | 780          | 100        | 14.7%        | 10                      | 10                          | 20                   | Master's degree                                    | \$61,600                        | \$16.98                         | \$35.93                         |

| SOC Code       | Occupational Title   | Estimated Employment <sup>(1)</sup> |               |              |              | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|--|-------------------------------------|---------------|--------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |  | 2006                                | 2016          | Change       | % Change     | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 19-3022        | Survey Researchers   | 30                                  | 40            | 10           | 33.3%        | <5                      | <5                          | <5                   | Master's degree                                    | \$92,338                        | \$33.22                         | \$49.98                         |
| 19-3031        | Clinical, Counseling, and School Psychologists                     | 390                                 | 420           | 30           | 7.7%         | <5                      | 10                          | 10                   | Doctoral degree                                    | \$53,772                        | \$16.92                         | \$30.32                         |
| 19-3039        | Psychologists, All Other   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Master's degree                                    | *                               | *                               | *                               |
| 19-3041        | Sociologists   | 50                                  | 50            | 0            | 0.0%         | <5                      | <5                          | <5                   | Master's degree                                    | \$50,063                        | \$18.72                         | \$26.74                         |
| 19-3051        | Urban and Regional Planners  | 80                                  | 90            | 10           | 12.5%        | <5                      | <5                          | <5                   | Master's degree                                    | \$50,849                        | \$10.05                         | \$31.65                         |
| 19-3091        | Anthropologists and Archeologists                                  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Master's degree                                    | *                               | *                               | *                               |
| 19-3092        | Geographers  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Master's degree                                    | *                               | *                               | *                               |
| 19-3093        | Historians   | 20                                  | 20            | 0            | 0.0%         | <5                      | <5                          | <5                   | Master's degree                                    | \$40,186                        | \$9.62                          | \$24.17                         |
| 19-3094        | Political Scientists   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Master's degree                                    | *                               | *                               | *                               |
| 19-3099        | Social Scientists and Related Workers, All Other                   | 90                                  | 90            | 0            | 0.0%         | <5                      | <5                          | <5                   | Master's degree                                    | \$60,339                        | \$17.65                         | \$34.69                         |
| 19-4011        | Agricultural and Food Science Technicians                          | 110                                 | 120           | 10           | 9.1%         | <5                      | <5                          | <5                   | Associate degree                                   | \$33,983                        | \$11.72                         | \$18.65                         |
| 19-4021        | Biological Technicians   | 280                                 | 310           | 30           | 10.7%        | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$33,155                        | \$11.66                         | \$18.08                         |
| 19-4031        | Chemical Technicians   | 270                                 | 310           | 40           | 14.8%        | <5                      | 10                          | 10                   | Associate degree                                   | \$36,555                        | \$12.98                         | \$19.87                         |
| 19-4041        | Geological and Petroleum Technicians                               | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Associate degree                                   | *                               | *                               | *                               |
| 19-4061        | Social Science Research Assistants                                 | 110                                 | 120           | 10           | 9.1%         | <5                      | <5                          | <5                   | Associate degree                                   | \$32,815                        | \$14.89                         | \$16.22                         |
| 19-4091        | Environmental Science and Protection Technicians, Including Health | 80                                  | 90            | 10           | 12.5%        | <5                      | <5                          | <5                   | Associate degree                                   | \$39,321                        | \$14.65                         | \$21.03                         |
| 19-4092        | Forensic Science Technicians                                       | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 19-4093        | Forest and Conservation Technicians                                | 180                                 | 170           | -10          | -5.6%        | 0                       | 10                          | 10                   | Associate degree                                   | \$35,522                        | \$11.82                         | \$19.70                         |
| 19-4099        | Life, Physical, and Social Science Technicians, All Other          | 360                                 | 380           | 20           | 5.6%         | <5                      | 10                          | 10                   | Associate degree                                   | \$34,489                        | \$14.30                         | \$17.72                         |
| <b>21-0000</b> | <b>Community and Social Services Occupations</b>                   | <b>15,670</b>                       | <b>17,940</b> | <b>2,270</b> | <b>14.5%</b> | <b>230</b>              | <b>250</b>                  | <b>480</b>           |  | <b>\$40,885</b>                 | <b>\$12.05</b>                  | <b>\$23.46</b>                  |
| 21-1011        | Substance Abuse and Behavioral Disorder Counselors                 | 220                                 | 280           | 60           | 27.3%        | 10                      | <5                          | 10                   | Master's degree                                    | \$40,311                        | \$15.37                         | \$21.39                         |
| 21-1012        | Educational, Vocational, and School Counselors                     | 640                                 | 670           | 30           | 4.7%         | <5                      | 10                          | 10                   | Master's degree                                    | \$46,913                        | \$13.99                         | \$26.84                         |
| 21-1013        | Marriage and Family Therapists                                     | 120                                 | 150           | 30           | 25.0%        | <5                      | <5                          | <5                   | Master's degree                                    | \$35,255                        | \$11.92                         | \$19.46                         |
| 21-1014        | Mental Health Counselors   | 230                                 | 280           | 50           | 21.7%        | 10                      | 10                          | 20                   | Master's degree                                    | \$40,976                        | \$10.57                         | \$24.26                         |
| 21-1015        | Rehabilitation Counselors  | 400                                 | 450           | 50           | 12.5%        | 10                      | 10                          | 20                   | Master's degree                                    | \$29,850                        | \$9.67                          | \$16.69                         |
| 21-1019        | Counselors, All Other  | 270                                 | 270           | 0            | 0.0%         | <5                      | 10                          | 10                   | Master's degree                                    | \$42,608                        | \$12.82                         | \$24.32                         |
| 21-1021        | Child, Family, and School Social Workers                           | 1,150                               | 1,270         | 120          | 10.4%        | 10                      | 20                          | 30                   | Master's degree                                    | \$49,839                        | \$16.35                         | \$27.77                         |
| 21-1022        | Medical and Public Health Social Workers                           | 330                                 | 410           | 80           | 24.2%        | 10                      | 10                          | 20                   | Master's degree                                    | \$43,797                        | \$16.23                         | \$23.47                         |
| 21-1023        | Mental Health and Substance Abuse Social Workers                   | 320                                 | 390           | 70           | 21.9%        | 10                      | 10                          | 20                   | Master's degree                                    | \$54,791                        | \$16.85                         | \$31.09                         |
| 21-1029        | Social Workers, All Other  | 160                                 | 170           | 10           | 6.3%         | <5                      | <5                          | <5                   | Master's degree                                    | \$53,272                        | \$17.47                         | \$29.68                         |
| 21-1091        | Health Educators   | 170                                 | 200           | 30           | 17.6%        | <5                      | <5                          | <5                   | Master's degree                                    | \$41,504                        | \$13.19                         | \$23.34                         |
| 21-1092        | Probation Officers and Correctional Treatment Specialists          | *                                   | *             | *            | *            | <5                      | 10                          | 10                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 21-1093        | Social and Human Service Assistants                                | 1,070                               | 1,340         | 270          | 25.2%        | 30                      | 10                          | 40                   | Moderate-term on-the-job training                  | \$29,885                        | \$9.99                          | \$16.56                         |
| 21-1099        | Community and Social Service Specialists, All Other                | 480                                 | 580           | 100          | 20.8%        | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$34,506                        | \$11.36                         | \$19.21                         |
| 21-2011        | Clergy   | 6,880                               | 7,850         | 970          | 14.1%        | 100                     | 90                          | 190                  | Master's degree                                    | \$44,509                        | \$17.12                         | \$23.54                         |
| 21-2021        | Directors, Religious Activities and Education                      | *                                   | *             | *            | *            | 30                      | 40                          | 70                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 21-2099        | Religious Workers, All Other                                       | *                                   | *             | *            | *            | 10                      | 10                          | 20                   | Bachelor's degree                                  | *                               | *                               | *                               |
| <b>23-0000</b> | <b>Legal Occupations</b>   | <b>2,770</b>                        | <b>3,040</b>  | <b>270</b>   | <b>9.7%</b>  | <b>30</b>               | <b>50</b>                   | <b>80</b>            |  | <b>\$79,379</b>                 | <b>\$17.43</b>                  | <b>\$48.53</b>                  |

| SOC Code       | Occupational Title   | Estimated Employment <sup>(1)</sup> |               |              |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|--|-------------------------------------|---------------|--------------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |  | 2006                                | 2016          | Change       | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 23-1011        | Lawyers  | 1,630                               | 1,810         | 180          | 11.0%       | 20                      | 30                          | 50                   | First professional degree                          | \$105,844                       | \$25.40                         | \$63.63                         |
| 23-1021        | Administrative Law Judges, Adjudicators, and Hearing Officers          | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | *                               | *                               | *                               |
| 23-1022        | Arbitrators, Mediators, and Conciliators                               | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | *                               | *                               | *                               |
| 23-1023        | Judges, Magistrate Judges, and Magistrates                             | 180                                 | 170           | -10          | -5.6%       | 0                       | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$101,258                       | \$20.72                         | \$62.66                         |
| 23-2011        | Paralegals and Legal Assistants  | 550                                 | 650           | 100          | 18.2%       | 10                      | 10                          | 20                   | Associate degree                                   | \$48,175                        | \$18.08                         | \$25.70                         |
| 23-2091        | Court Reporters  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 23-2092        | Law Clerks   | 50                                  | 40            | -10          | -20.0%      | 0                       | <5                          | <5                   | Bachelor's degree                                  | \$50,319                        | \$21.24                         | \$25.67                         |
| 23-2093        | Title Examiners, Abstractors, and Searchers                            | 200                                 | 190           | -10          | -5.0%       | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | \$33,015                        | \$11.66                         | \$17.98                         |
| 23-2099        | Legal Support Workers, All Other                                       | 70                                  | 80            | 10           | 14.3%       | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$41,952                        | \$14.59                         | \$22.96                         |
| <b>25-0000</b> | <b>Education, Training, and Library Occupations</b>                    | <b>31,190</b>                       | <b>33,540</b> | <b>2,350</b> | <b>7.5%</b> | <b>240</b>              | <b>610</b>                  | <b>850</b>           |  | <b>\$44,806</b>                 | <b>\$11.95</b>                  | <b>\$26.34</b>                  |
| 25-1011        | Business Teachers, Postsecondary                                       | 320                                 | 370           | 50           | 15.6%       | 10                      | 10                          | 20                   | Doctoral degree                                    | \$85,366                        | *                               | *                               |
| 25-1021        | Computer Science Teachers, Postsecondary                               | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1022        | Mathematical Science Teachers, Postsecondary                           | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1031        | Architecture Teachers, Postsecondary                                   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1032        | Engineering Teachers, Postsecondary                                    | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1041        | Agricultural Sciences Teachers, Postsecondary                          | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1042        | Biological Science Teachers, Postsecondary                             | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1043        | Forestry and Conservation Science Teachers, Postsecondary              | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1051        | Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1052        | Chemistry Teachers, Postsecondary                                      | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1053        | Environmental Science Teachers, Postsecondary                          | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1054        | Physics Teachers, Postsecondary  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1061        | Anthropology and Archeology Teachers, Postsecondary                    | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1062        | Area, Ethnic, and Cultural Studies Teachers, Postsecondary             | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1063        | Economics Teachers, Postsecondary                                      | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1064        | Geography Teachers, Postsecondary                                      | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1065        | Political Science Teachers, Postsecondary                              | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1066        | Psychology Teachers, Postsecondary                                     | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1067        | Sociology Teachers, Postsecondary                                      | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1069        | Social Sciences Teachers, Postsecondary, All Other                     | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1071        | Health Specialties Teachers, Postsecondary                             | *                                   | *             | *            | *           | 10                      | 10                          | 20                   | Master's degree                                    | *                               | *                               | *                               |
| 25-1072        | Nursing Instructors and Teachers, Postsecondary                        | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1081        | Education Teachers, Postsecondary                                      | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1082        | Library Science Teachers, Postsecondary                                | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |

| SOC Code | Occupational Title   | Estimated Employment <sup>(1)</sup> |       |        |          | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------|--|-------------------------------------|-------|--------|----------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|          |  | 2006                                | 2016  | Change | % Change | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 25-1111  | Criminal Justice and Law Enforcement Teachers, Postsecondary               | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1112  | Law Teachers, Postsecondary  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1113  | Social Work Teachers, Postsecondary  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1121  | Art, Drama, and Music Teachers, Postsecondary                              | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Master's degree                                    | *                               | *                               | *                               |
| 25-1122  | Communications Teachers, Postsecondary                                     | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1123  | English Language and Literature Teachers, Postsecondary                    | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1124  | Foreign Language and Literature Teachers, Postsecondary                    | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1125  | History Teachers, Postsecondary  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1126  | Philosophy and Religion Teachers, Postsecondary                            | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1191  | Graduate Teaching Assistants   | *                                   | *     | *      | *        | 10                      | 10                          | 20                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 25-1192  | Home Economics Teachers, Postsecondary                                     | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Doctoral degree                                    | *                               | *                               | *                               |
| 25-1193  | Recreation and Fitness Studies Teachers, Postsecondary                     | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Master's degree                                    | *                               | *                               | *                               |
| 25-1194  | Vocational Education Teachers, Postsecondary                               | 660                                 | 760   | 100    | 15.2%    | 10                      | 10                          | 20                   | Work experience in a related occupation            | \$63,632                        | \$19.06                         | \$36.36                         |
| 25-1199  | Postsecondary Teachers, All Other  | 510                                 | 590   | 80     | 15.7%    | 10                      | 10                          | 20                   | Doctoral degree                                    | \$59,920                        | *                               | *                               |
| 25-2011  | Preschool Teachers, Except Special Education                               | 2,150                               | 2,500 | 350    | 16.3%    | 40                      | 40                          | 80                   | Bachelor's degree                                  | \$23,856                        | \$8.34                          | \$13.03                         |
| 25-2012  | Kindergarten Teachers, Except Special Education                            | 570                                 | 630   | 60     | 10.5%    | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$43,151                        | *                               | *                               |
| 25-2021  | Elementary School Teachers, Except Special Education                       | 5,290                               | 5,690 | 400    | 7.6%     | 40                      | 120                         | 160                  | Bachelor's degree                                  | \$43,617                        | *                               | *                               |
| 25-2022  | Middle School Teachers, Except Special and Vocational Education            | 2,520                               | 2,650 | 130    | 5.2%     | 10                      | 60                          | 70                   | Bachelor's degree                                  | \$45,410                        | *                               | *                               |
| 25-2023  | Vocational Education Teachers, Middle School                               | 90                                  | 80    | -10    | -11.1%   | 0                       | <5                          | <5                   | Bachelor's degree                                  | \$53,739                        | *                               | *                               |
| 25-2031  | Secondary School Teachers, Except Special and Vocational Education         | 3,710                               | 3,700 | -10    | -0.3%    | 0                       | 110                         | 110                  | Bachelor's degree                                  | \$45,587                        | *                               | *                               |
| 25-2032  | Vocational Education Teachers, Secondary School                            | 280                                 | 250   | -30    | -10.7%   | 0                       | 10                          | 10                   | Bachelor's degree                                  | \$49,524                        | *                               | *                               |
| 25-2041  | Special Education Teachers, Preschool, Kindergarten, and Elementary School | 550                                 | 620   | 70     | 12.7%    | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$44,392                        | *                               | *                               |
| 25-2042  | Special Education Teachers, Middle School                                  | 290                                 | 310   | 20     | 6.9%     | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$42,933                        | *                               | *                               |
| 25-2043  | Special Education Teachers, Secondary School                               | 420                                 | 420   | 0      | 0.0%     | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$49,015                        | *                               | *                               |
| 25-3011  | Adult Literacy, Remedial Education, and GED Teachers and Instructors       | 420                                 | 420   | 0      | 0.0%     | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$47,892                        | \$17.20                         | \$25.94                         |
| 25-3021  | Self-Enrichment Education Teachers   | 1,380                               | 1,580 | 200    | 14.5%    | 20                      | 20                          | 40                   | Work experience in a related occupation            | \$36,464                        | \$10.82                         | \$20.89                         |
| 25-3099  | Teachers and Instructors, All Other  | 2,300                               | 2,390 | 90     | 3.9%     | 10                      | 30                          | 40                   | Bachelor's degree                                  | \$31,887                        | *                               | *                               |
| 25-4011  | Archivists   | 40                                  | 40    | 0      | 0.0%     | <5                      | <5                          | <5                   | Master's degree                                    | \$45,537                        | \$17.63                         | \$24.02                         |
| 25-4012  | Curators   | 50                                  | 50    | 0      | 0.0%     | <5                      | <5                          | <5                   | Master's degree                                    | \$49,315                        | \$17.52                         | \$26.80                         |
| 25-4013  | Museum Technicians and Conservators  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 25-4021  | Librarians   | 460                                 | 450   | -10    | -2.2%    | 0                       | 10                          | 10                   | Master's degree                                    | \$52,005                        | \$18.82                         | \$28.09                         |
| 25-4031  | Library Technicians  | 390                                 | 400   | 10     | 2.6%     | <5                      | 20                          | 20                   | Postsecondary vocational training                  | \$26,787                        | \$8.66                          | \$14.99                         |
| 25-9011  | Audio-Visual Collections Specialists                                       | *                                   | *     | *      | *        | 0                       | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 25-9021  | Farm and Home Management Advisors  | 140                                 | 130   | -10    | -7.1%    | 0                       | <5                          | <5                   | Bachelor's degree                                  | \$44,029                        | \$14.94                         | \$24.28                         |

| SOC Code       | Occupational Title   | Estimated Employment <sup>(1)</sup> |              |            |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|--|-------------------------------------|--------------|------------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |  | 2006                                | 2016         | Change     | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 25-9031        | Instructional Coordinators   | 250                                 | 280          | 30         | 12.0%       | <5                      | <5                          | <5                   | Master's degree                                    | \$57,837                        | \$20.89                         | \$31.27                         |
| 25-9041        | Teacher Assistants   | 4,740                               | 4,950        | 210        | 4.4%        | 20                      | 80                          | 100                  | Associate degree                                   | \$24,542                        | *                               | *                               |
| 25-9099        | Education, Training, and Library Workers, All Other                | 110                                 | 130          | 20         | 18.2%       | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$48,838                        | \$16.51                         | \$26.96                         |
| <b>27-0000</b> | <b>Arts, Design, Entertainment, Sports, and Media Occupations</b>  | <b>7,420</b>                        | <b>8,120</b> | <b>700</b> | <b>9.4%</b> | <b>70</b>               | <b>170</b>                  | <b>240</b>           |  | <b>\$41,146</b>                 | <b>\$10.62</b>                  | <b>\$24.36</b>                  |
| 27-1011        | Art Directors  | 120                                 | 130          | 10         | 8.3%        | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$59,052                        | \$16.50                         | \$34.33                         |
| 27-1012        | Craft Artists  | 40                                  | 40           | 0          | 0.0%        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$29,495                        | \$8.99                          | \$16.77                         |
| 27-1013        | Fine Artists, Including Painters, Sculptors, and Illustrators      | 60                                  | 60           | 0          | 0.0%        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$33,481                        | \$10.84                         | \$18.72                         |
| 27-1014        | Multi-Media Artists and Animators                                  | 150                                 | 200          | 50         | 33.3%       | 10                      | <5                          | 10                   | Bachelor's degree                                  | \$46,150                        | \$16.04                         | \$25.26                         |
| 27-1019        | Artists and Related Workers, All Other                             | 30                                  | 30           | 0          | 0.0%        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$32,240                        | \$8.28                          | \$19.11                         |
| 27-1021        | Commercial and Industrial Designers                                | 190                                 | 200          | 10         | 5.3%        | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$54,983                        | \$18.76                         | \$30.27                         |
| 27-1022        | Fashion Designers  | *                                   | *            | *          | *           | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 27-1023        | Floral Designers   | 180                                 | 170          | -10        | -5.6%       | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$25,447                        | \$9.40                          | \$13.65                         |
| 27-1024        | Graphic Designers  | 770                                 | 840          | 70         | 9.1%        | 10                      | 20                          | 30                   | Bachelor's degree                                  | \$40,264                        | \$12.57                         | \$22.75                         |
| 27-1025        | Interior Designers   | 180                                 | 190          | 10         | 5.6%        | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$42,964                        | \$13.72                         | \$24.13                         |
| 27-1026        | Merchandise Displayers and Window Trimmers                         | 120                                 | 130          | 10         | 8.3%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$25,618                        | \$8.07                          | \$14.44                         |
| 27-1027        | Set and Exhibit Designers  | *                                   | *            | *          | *           | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 27-1029        | Designers, All Other   | *                                   | *            | *          | *           | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 27-2011        | Actors   | *                                   | *            | *          | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 27-2012        | Producers and Directors  | 140                                 | 150          | 10         | 7.1%        | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | \$43,821                        | \$14.88                         | \$24.16                         |
| 27-2021        | Athletes and Sports Competitors                                    | *                                   | *            | *          | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 27-2022        | Coaches and Scouts   | 590                                 | 650          | 60         | 10.2%       | 10                      | 20                          | 30                   | Long-term on-the-job training                      | \$29,885                        | *                               | *                               |
| 27-2023        | Umpires, Referees, and Other Sports Officials                      | 100                                 | 110          | 10         | 10.0%       | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$25,260                        | *                               | *                               |
| 27-2031        | Dancers  | *                                   | *            | *          | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 27-2032        | Choreographers   | *                                   | *            | *          | *           | <5                      | 10                          | 10                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 27-2041        | Music Directors and Composers                                      | *                                   | *            | *          | *           | 10                      | 10                          | 20                   | Bachelor's or higher degree, plus work experience  | *                               | *                               | *                               |
| 27-2042        | Musicians and Singers  | *                                   | *            | *          | *           | 20                      | 20                          | 40                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 27-2099        | Entertainers and Performers, Sports and Related Workers, All Other | *                                   | *            | *          | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | \$9.62                          | \$16.20                         |
| 27-3011        | Radio and Television Announcers                                    | 150                                 | 130          | -20        | -13.3%      | 0                       | 10                          | 10                   | Long-term on-the-job training                      | \$22,629                        | \$7.88                          | \$12.38                         |
| 27-3012        | Public Address System and Other Announcers                         | 30                                  | 30           | 0          | 0.0%        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$29,909                        | \$8.75                          | \$17.19                         |
| 27-3021        | Broadcast News Analysts  | *                                   | *            | *          | *           | <5                      | <5                          | <5                   | Bachelor's or higher degree, plus work experience  | *                               | *                               | *                               |
| 27-3022        | Reporters and Correspondents                                       | 130                                 | 140          | 10         | 7.7%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$29,942                        | \$10.18                         | \$16.50                         |
| 27-3031        | Public Relations Specialists                                       | 970                                 | 1,090        | 120        | 12.4%       | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$47,683                        | \$13.98                         | \$27.40                         |
| 27-3041        | Editors  | 350                                 | 350          | 0          | 0.0%        | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$53,188                        | \$16.37                         | \$30.17                         |
| 27-3042        | Technical Writers  | 130                                 | 150          | 20         | 15.4%       | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$49,868                        | \$16.84                         | \$27.54                         |
| 27-3043        | Writers and Authors  | 200                                 | 220          | 20         | 10.0%       | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$34,236                        | \$6.46                          | \$21.46                         |
| 27-3091        | Interpreters and Translators                                       | 150                                 | 190          | 40         | 26.7%       | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$45,339                        | \$15.10                         | \$25.15                         |
| 27-3099        | Media and Communication Workers, All Other                         | 40                                  | 40           | 0          | 0.0%        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$58,522                        | \$21.36                         | \$31.53                         |

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |               |              |              | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|---------------|--------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016          | Change       | % Change     | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 27-4011        | Audio and Video Equipment Technicians                     | 100                                 | 110           | 10           | 10.0%        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$32,890                        | \$11.47                         | \$17.99                         |
| 27-4012        | Broadcast Technicians                                     | 120                                 | 130           | 10           | 8.3%         | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$33,246                        | \$9.62                          | \$19.17                         |
| 27-4014        | Sound Engineering Technicians                             | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 27-4021        | Photographers   | 150                                 | 150           | 0            | 0.0%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$33,567                        | \$10.51                         | \$18.95                         |
| 27-4031        | Camera Operators, Television, Video, and Motion Picture   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 27-4032        | Film and Video Editors                                    | 20                                  | 20            | 0            | 0.0%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$33,920                        | \$10.50                         | \$19.21                         |
| 27-4099        | Media and Communication Equipment Workers, All Other      | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| <b>29-0000</b> | <b>Healthcare Practitioners and Technical Occupations</b> | <b>20,780</b>                       | <b>25,080</b> | <b>4,300</b> | <b>20.7%</b> | <b>430</b>              | <b>390</b>                  | <b>820</b>           |  | <b>\$63,444</b>                 | <b>\$15.19</b>                  | <b>\$38.16</b>                  |
| 29-1011        | Chiropractors   | 110                                 | 130           | 20           | 18.2%        | <5                      | <5                          | <5                   | First professional degree                          | \$107,369                       | \$27.93                         | \$63.47                         |
| 29-1021        | Dentists, General   | 290                                 | 310           | 20           | 6.9%         | <5                      | 10                          | 10                   | First professional degree                          | \$163,826                       | \$52.13                         | \$92.08                         |
| 29-1022        | Oral and Maxillofacial Surgeons                           | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | First professional degree                          | *                               | *                               | *                               |
| 29-1023        | Orthodontists   | 10                                  | 20            | 10           | 100.0%       | <5                      | <5                          | <5                   | First professional degree                          | \$194,165                       | *                               | *                               |
| 29-1024        | Prosthodontists   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | First professional degree                          | *                               | *                               | *                               |
| 29-1029        | Dentists, All Other Specialists                           | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | First professional degree                          | *                               | *                               | *                               |
| 29-1031        | Dietitians and Nutritionists                              | 170                                 | 180           | 10           | 5.9%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$49,018                        | \$15.91                         | \$27.39                         |
| 29-1041        | Optometrists  | 50                                  | 60            | 10           | 20.0%        | <5                      | <5                          | <5                   | First professional degree                          | \$75,597                        | \$27.39                         | \$40.82                         |
| 29-1051        | Pharmacists   | 670                                 | 790           | 120          | 17.9%        | 10                      | 10                          | 20                   | First professional degree                          | \$93,020                        | \$37.23                         | \$48.47                         |
| 29-1061        | Anesthesiologists   | 80                                  | 100           | 20           | 25.0%        | <5                      | <5                          | <5                   | First professional degree                          | \$151,233                       | \$55.43                         | \$81.35                         |
| 29-1062        | Family and General Practitioners                          | 360                                 | 410           | 50           | 13.9%        | 10                      | 10                          | 20                   | First professional degree                          | \$159,398                       | \$47.69                         | \$91.11                         |
| 29-1063        | Internists, General                                       | 210                                 | 240           | 30           | 14.3%        | <5                      | <5                          | <5                   | First professional degree                          | \$175,842                       | *                               | *                               |
| 29-1064        | Obstetricians and Gynecologists                           | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | First professional degree                          | *                               | *                               | *                               |
| 29-1065        | Pediatricians, General                                    | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | First professional degree                          | *                               | *                               | *                               |
| 29-1066        | Psychiatrists   | 60                                  | 70            | 10           | 16.7%        | <5                      | <5                          | <5                   | First professional degree                          | \$167,699                       | *                               | *                               |
| 29-1067        | Surgeons  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | First professional degree                          | *                               | *                               | *                               |
| 29-1069        | Physicians and Surgeons, All Other                        | 570                                 | 680           | 110          | 19.3%        | 10                      | 10                          | 20                   | First professional degree                          | \$174,112                       | \$46.44                         | \$102.34                        |
| 29-1071        | Physician Assistants                                      | 160                                 | 210           | 50           | 31.3%        | 10                      | <5                          | 10                   | Master's degree                                    | \$76,146                        | \$30.19                         | \$39.82                         |
| 29-1081        | Podiatrists   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | First professional degree                          | *                               | *                               | *                               |
| 29-1111        | Registered Nurses   | 7,590                               | 9,490         | 1,900        | 25.0%        | 190                     | 130                         | 320                  | Associate or Bachelor's degree <sup>(8)</sup>      | \$59,227                        | \$23.11                         | \$31.16                         |
| 29-1121        | Audiologists  | 40                                  | 40            | 0            | 0.0%         | <5                      | <5                          | <5                   | Doctoral degree                                    | \$65,902                        | \$22.90                         | \$36.08                         |
| 29-1122        | Occupational Therapists                                   | 370                                 | 440           | 70           | 18.9%        | 10                      | 10                          | 20                   | Master's degree                                    | \$53,703                        | \$18.74                         | \$29.36                         |
| 29-1123        | Physical Therapists                                       | 530                                 | 670           | 140          | 26.4%        | 10                      | 10                          | 20                   | Master's degree                                    | \$60,944                        | \$23.83                         | \$32.03                         |
| 29-1124        | Radiation Therapists                                      | 70                                  | 90            | 20           | 28.6%        | <5                      | <5                          | <5                   | Associate degree                                   | \$62,085                        | \$23.39                         | \$33.08                         |
| 29-1125        | Recreational Therapists                                   | 70                                  | 80            | 10           | 14.3%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$35,203                        | \$11.63                         | \$19.57                         |
| 29-1126        | Respiratory Therapists                                    | 270                                 | 340           | 70           | 25.9%        | 10                      | <5                          | 10                   | Associate degree                                   | \$50,344                        | \$20.35                         | \$26.13                         |
| 29-1127        | Speech-Language Pathologists                              | 330                                 | 350           | 20           | 6.1%         | <5                      | 10                          | 10                   | Master's degree                                    | \$49,733                        | \$17.18                         | \$27.27                         |
| 29-1129        | Therapists, All Other                                     | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 29-1131        | Veterinarians   | 250                                 | 320           | 70           | 28.0%        | 10                      | 10                          | 20                   | First professional degree                          | \$71,092                        | \$22.72                         | \$39.91                         |

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |               |              |              | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|---------------|--------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016          | Change       | % Change     | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 29-1199        | Health Diagnosing and Treating Practitioners, All Other   | 80                                  | 100           | 20           | 25.0%        | <5                      | <5                          | <5                   | First professional degree                          | \$62,169                        | \$19.99                         | \$34.84                         |
| 29-2011        | Medical and Clinical Laboratory Technologists             | 500                                 | 590           | 90           | 18.0%        | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$48,630                        | \$18.01                         | \$26.07                         |
| 29-2012        | Medical and Clinical Laboratory Technicians               | 270                                 | 320           | 50           | 18.5%        | 10                      | <5                          | 10                   | Associate degree                                   | \$36,895                        | \$13.81                         | \$19.70                         |
| 29-2021        | Dental Hygienists   | 590                                 | 770           | 180          | 30.5%        | 20                      | 10                          | 30                   | Associate degree                                   | \$54,225                        | \$20.85                         | \$28.68                         |
| 29-2031        | Cardiovascular Technologists and Technicians              | 100                                 | 130           | 30           | 30.0%        | <5                      | <5                          | <5                   | Associate degree                                   | \$43,183                        | \$13.12                         | \$24.58                         |
| 29-2032        | Diagnostic Medical Sonographers                           | 130                                 | 160           | 30           | 23.1%        | <5                      | <5                          | <5                   | Associate degree                                   | \$62,987                        | \$25.79                         | \$32.53                         |
| 29-2033        | Nuclear Medicine Technologists                            | 50                                  | 60            | 10           | 20.0%        | <5                      | <5                          | <5                   | Associate degree                                   | \$64,472                        | \$27.27                         | \$32.86                         |
| 29-2034        | Radiologic Technologists and Technicians                  | 680                                 | 810           | 130          | 19.1%        | 10                      | 10                          | 20                   | Associate degree                                   | \$49,016                        | \$19.13                         | \$25.79                         |
| 29-2041        | Emergency Medical Technicians and Paramedics              | 1,000                               | 1,120         | 120          | 12.0%        | 10                      | 10                          | 20                   | Postsecondary vocational training                  | \$27,550                        | \$7.83                          | \$15.95                         |
| 29-2051        | Dietetic Technicians                                      | 70                                  | 80            | 10           | 14.3%        | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$26,448                        | \$9.12                          | \$14.51                         |
| 29-2052        | Pharmacy Technicians                                      | 900                                 | 1,140         | 240          | 26.7%        | 20                      | 30                          | 50                   | Moderate-term on-the-job training                  | \$27,120                        | \$10.17                         | \$14.47                         |
| 29-2053        | Psychiatric Technicians                                   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 29-2054        | Respiratory Therapy Technicians                           | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Associate degree                                   | *                               | *                               | *                               |
| 29-2055        | Surgical Technologists                                    | 330                                 | 430           | 100          | 30.3%        | 10                      | 10                          | 20                   | Postsecondary vocational training                  | \$39,049                        | \$15.30                         | \$20.51                         |
| 29-2056        | Veterinary Technologists and Technicians                  | 270                                 | 350           | 80           | 29.6%        | 10                      | 10                          | 20                   | Associate degree                                   | \$31,654                        | \$11.82                         | \$16.92                         |
| 29-2061        | Licensed Practical and Licensed Vocational Nurses         | 1,560                               | 1,710         | 150          | 9.6%         | 20                      | 40                          | 60                   | Postsecondary vocational training                  | \$37,418                        | \$15.30                         | \$19.33                         |
| 29-2071        | Medical Records and Health Information Technicians        | 500                                 | 610           | 110          | 22.0%        | 10                      | 10                          | 20                   | Associate degree                                   | \$32,855                        | \$10.47                         | \$18.46                         |
| 29-2081        | Opticians, Dispensing                                     | 250                                 | 260           | 10           | 4.0%         | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$29,055                        | \$9.77                          | \$16.07                         |
| 29-2091        | Orthotists and Prosthetists                               | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 29-2099        | Health Technologists and Technicians, All Other           | *                                   | *             | *            | *            | 10                      | <5                          | 10                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 29-9011        | Occupational Health and Safety Specialists                | 120                                 | 130           | 10           | 8.3%         | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$53,654                        | \$19.50                         | \$28.95                         |
| 29-9012        | Occupational Health and Safety Technicians                | 10                                  | 20            | 10           | 100.0%       | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$43,195                        | \$13.10                         | \$24.60                         |
| 29-9091        | Athletic Trainers   | 60                                  | 80            | 20           | 33.3%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$39,464                        | *                               | *                               |
| 29-9099        | Healthcare Practitioners and Technical Workers, All Other | 210                                 | 250           | 40           | 19.0%        | <5                      | <5                          | <5                   | Bachelor's degree                                  | \$36,833                        | \$12.73                         | \$20.20                         |
| <b>31-0000</b> | <b>Healthcare Support Occupations</b>                     | <b>12,340</b>                       | <b>15,070</b> | <b>2,730</b> | <b>22.1%</b> | <b>270</b>              | <b>130</b>                  | <b>400</b>           |  | <b>\$26,059</b>                 | <b>\$9.53</b>                   | <b>\$14.03</b>                  |
| 31-1011        | Home Health Aides   | 2,570                               | 3,620         | 1,050        | 40.9%        | 110                     | 20                          | 130                  | Short-term on-the-job training                     | \$21,257                        | \$8.73                          | \$10.97                         |
| 31-1012        | Nursing Aides, Orderlies, and Attendants                  | 5,160                               | 5,780         | 620          | 12.0%        | 60                      | 50                          | 110                  | Postsecondary vocational training                  | \$25,909                        | \$10.25                         | \$13.56                         |
| 31-1013        | Psychiatric Aides   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 31-2011        | Occupational Therapist Assistants                         | 100                                 | 110           | 10           | 10.0%        | <5                      | <5                          | <5                   | Associate degree                                   | \$45,265                        | \$14.67                         | \$25.31                         |
| 31-2012        | Occupational Therapist Aides                              | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 31-2021        | Physical Therapist Assistants                             | 190                                 | 240           | 50           | 26.3%        | 10                      | <5                          | 10                   | Associate degree                                   | \$39,553                        | \$14.00                         | \$21.52                         |
| 31-2022        | Physical Therapist Aides                                  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 31-9011        | Massage Therapists  | 130                                 | 150           | 20           | 15.4%        | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$41,147                        | \$14.18                         | \$22.58                         |
| 31-9091        | Dental Assistants   | 760                                 | 990           | 230          | 30.3%        | 20                      | 10                          | 30                   | Moderate-term on-the-job training                  | \$31,234                        | \$11.49                         | \$16.78                         |
| 31-9092        | Medical Assistants  | 990                                 | 1,360         | 370          | 37.4%        | 40                      | 10                          | 50                   | Moderate-term on-the-job training                  | \$28,673                        | \$11.50                         | \$14.93                         |
| 31-9093        | Medical Equipment Preparers                               | 140                                 | 160           | 20           | 14.3%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$26,009                        | \$9.26                          | \$14.12                         |
| 31-9094        | Medical Transcriptionists                                 | 590                                 | 700           | 110          | 18.6%        | 10                      | 10                          | 20                   | Postsecondary vocational training                  | \$31,731                        | \$12.14                         | \$16.82                         |
| 31-9095        | Pharmacy Aides  | 110                                 | 90            | -20          | -18.2%       | 0                       | <5                          | <5                   | Short-term on-the-job training                     | \$20,087                        | \$7.19                          | \$10.89                         |
| 31-9096        | Veterinary Assistants and Laboratory Animal Caretakers    | 240                                 | 260           | 20           | 8.3%         | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$21,204                        | \$7.95                          | \$11.32                         |

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |               |              |              | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|---------------|--------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016          | Change       | % Change     | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 31-9099        | Healthcare Support Workers, All Other                                     | 1,090                               | 1,280         | 190          | 17.4%        | 20                      | 10                          | 30                   | Short-term on-the-job training                     | \$29,241                        | \$10.92                         | \$15.63                         |
| <b>33-0000</b> | <b>Protective Service Occupations</b>                                     | <b>9,360</b>                        | <b>10,200</b> | <b>840</b>   | <b>9.0%</b>  | <b>80</b>               | <b>270</b>                  | <b>350</b>           |  | <b>\$35,983</b>                 | <b>\$8.83</b>                   | <b>\$21.54</b>                  |
| 33-1011        | First-Line Supervisors/Managers of Correctional Officers                  | *                                   | *             | *            | *            | <5                      | 10                          | 10                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 33-1012        | First-Line Supervisors/Managers of Police and Detectives                  | 210                                 | 220           | 10           | 4.8%         | <5                      | 10                          | 10                   | Work experience in a related occupation            | \$65,565                        | \$23.98                         | \$35.29                         |
| 33-1021        | First-Line Supervisors/Managers of Fire Fighting and Prevention Workers   | 100                                 | 100           | 0            | 0.0%         | <5                      | <5                          | <5                   | Work experience in a related occupation            | \$68,856                        | \$26.11                         | \$36.60                         |
| 33-1099        | First-Line Supervisors/Managers, Protective Service Workers, All Other    | 70                                  | 80            | 10           | 14.3%        | <5                      | <5                          | <5                   | Work experience in a related occupation            | \$45,425                        | \$15.39                         | \$25.06                         |
| 33-2011        | Fire Fighters   | *                                   | *             | *            | *            | 10                      | 40                          | 50                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 33-2021        | Fire Inspectors and Investigators   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 33-3011        | Bailiffs  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 33-3012        | Correctional Officers and Jailers   | *                                   | *             | *            | *            | 40                      | 70                          | 110                  | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 33-3021        | Detectives and Criminal Investigators                                     | 290                                 | 330           | 40           | 13.8%        | <5                      | 10                          | 10                   | Work experience in a related occupation            | \$57,086                        | \$21.95                         | \$30.19                         |
| 33-3031        | Fish and Game Wardens   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Associate degree                                   | *                               | *                               | *                               |
| 33-3041        | Parking Enforcement Workers   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 33-3051        | Police and Sheriff's Patrol Officers                                      | 1,660                               | 1,720         | 60           | 3.6%         | 10                      | 40                          | 50                   | Long-term on-the-job training                      | \$46,797                        | \$17.21                         | \$25.14                         |
| 33-3052        | Transit and Railroad Police   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 33-9011        | Animal Control Workers  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 33-9021        | Private Detectives and Investigators                                      | 50                                  | 50            | 0            | 0.0%         | <5                      | <5                          | <5                   | Work experience in a related occupation            | \$40,932                        | \$12.56                         | \$23.24                         |
| 33-9031        | Gaming Surveillance Officers and Gaming Investigators                     | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 33-9032        | Security Guards   | 1,400                               | 1,570         | 170          | 12.1%        | 20                      | 30                          | 50                   | Short-term on-the-job training                     | \$22,855                        | \$8.19                          | \$12.39                         |
| 33-9091        | Crossing Guards   | 230                                 | 220           | -10          | -4.3%        | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$22,588                        | \$8.19                          | \$12.19                         |
| 33-9092        | Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers | 380                                 | 410           | 30           | 7.9%         | <5                      | 30                          | 30                   | Short-term on-the-job training                     | \$17,208                        | \$7.00                          | \$8.91                          |
| 33-9099        | Protective Service Workers, All Other                                     | 240                                 | 260           | 20           | 8.3%         | <5                      | 20                          | 20                   | Short-term on-the-job training                     | \$34,242                        | \$8.82                          | \$20.28                         |
| <b>35-0000</b> | <b>Food Preparation and Serving Related Occupations</b>                   | <b>37,980</b>                       | <b>42,160</b> | <b>4,180</b> | <b>11.0%</b> | <b>420</b>              | <b>1,310</b>                | <b>1,730</b>         |  | <b>\$18,605</b>                 | <b>\$6.53</b>                   | <b>\$10.15</b>                  |
| 35-1011        | Chefs and Head Cooks  | 390                                 | 410           | 20           | 5.1%         | <5                      | 10                          | 10                   | Postsecondary vocational training                  | \$31,810                        | \$10.50                         | \$17.69                         |
| 35-1012        | First-Line Supervisors/Managers of Food Preparation and Serving Workers   | 2,320                               | 2,550         | 230          | 9.9%         | 20                      | 20                          | 40                   | Work experience in a related occupation            | \$31,968                        | \$11.00                         | \$17.55                         |
| 35-2011        | Cooks, Fast Food  | 1,550                               | 1,650         | 100          | 6.5%         | 10                      | 40                          | 50                   | Short-term on-the-job training                     | \$17,025                        | \$7.07                          | \$8.74                          |
| 35-2012        | Cooks, Institution and Cafeteria  | 1,390                               | 1,470         | 80           | 5.8%         | 10                      | 40                          | 50                   | Long-term on-the-job training                      | \$24,692                        | \$9.67                          | \$12.97                         |
| 35-2013        | Cooks, Private Household  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 35-2014        | Cooks, Restaurant   | 2,560                               | 2,850         | 290          | 11.3%        | 30                      | 70                          | 100                  | Long-term on-the-job training                      | \$20,174                        | \$7.80                          | \$10.65                         |
| 35-2015        | Cooks, Short Order  | 630                                 | 650           | 20           | 3.2%         | <5                      | 20                          | 20                   | Short-term on-the-job training                     | \$19,786                        | \$7.29                          | \$10.62                         |
| 35-2019        | Cooks, All Other  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 35-2021        | Food Preparation Workers  | 2,220                               | 2,440         | 220          | 9.9%         | 20                      | 80                          | 100                  | Short-term on-the-job training                     | \$19,176                        | \$7.30                          | \$10.18                         |
| 35-3011        | Bartenders  | 3,690                               | 4,080         | 390          | 10.6%        | 40                      | 130                         | 170                  | Short-term on-the-job training                     | \$16,803                        | \$6.48                          | \$8.88                          |
| 35-3021        | Combined Food Preparation and Serving Workers, Including Fast Food        | 8,620                               | 10,010        | 1,390        | 16.1%        | 140                     | 160                         | 300                  | Short-term on-the-job training                     | \$16,503                        | \$6.44                          | \$8.68                          |

| SOC Code       | Occupational Title   | Estimated Employment <sup>(1)</sup> |               |              |              | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|--|-------------------------------------|---------------|--------------|--------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |  | 2006                                | 2016          | Change       | % Change     | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 35-3022        | Counter Attendants, Cafeteria, Food Concession, and Coffee Shop                          | 1,170                               | 1,240         | 70           | 6.0%         | 10                      | 80                          | 90                   | Short-term on-the-job training                     | \$16,703                        | \$6.65                          | \$8.72                          |
| 35-3031        | Waiters and Waitresses   | 7,990                               | 8,780         | 790          | 9.9%         | 80                      | 430                         | 510                  | Short-term on-the-job training                     | \$16,662                        | \$6.44                          | \$8.79                          |
| 35-3041        | Food Servers, Nonrestaurant  | 770                                 | 870           | 100          | 13.0%        | 10                      | 10                          | 20                   | Short-term on-the-job training                     | \$23,261                        | \$8.30                          | \$12.63                         |
| 35-9011        | Dining Room and Cafeteria Attendants and Bartender Helpers                               | 1,400                               | 1,540         | 140          | 10.0%        | 10                      | 60                          | 70                   | Short-term on-the-job training                     | \$15,667                        | \$6.41                          | \$8.10                          |
| 35-9021        | Dishwashers  | 2,060                               | 2,270         | 210          | 10.2%        | 20                      | 80                          | 100                  | Short-term on-the-job training                     | \$16,514                        | \$6.48                          | \$8.67                          |
| 35-9031        | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop                                 | 1,070                               | 1,180         | 110          | 10.3%        | 10                      | 70                          | 80                   | Short-term on-the-job training                     | \$16,587                        | \$6.61                          | \$8.66                          |
| 35-9099        | Food Preparation and Serving Related Workers, All Other                                  | 90                                  | 100           | 10           | 11.1%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$20,104                        | \$7.47                          | \$10.76                         |
| <b>37-0000</b> | <b>Building and Grounds Cleaning and Maintenance Occupations</b>                         | <b>18,480</b>                       | <b>20,790</b> | <b>2,310</b> | <b>12.5%</b> | <b>230</b>              | <b>330</b>                  | <b>560</b>           |  | <b>\$24,177</b>                 | <b>\$7.95</b>                   | <b>\$13.46</b>                  |
| 37-1011        | First-Line Supervisors/Managers of Housekeeping and Janitorial Workers                   | 730                                 | 800           | 70           | 9.6%         | 10                      | 10                          | 20                   | Work experience in a related occupation            | \$36,888                        | \$11.28                         | \$20.96                         |
| 37-1012        | First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers | 320                                 | 370           | 50           | 15.6%        | 10                      | <5                          | 10                   | Work experience in a related occupation            | \$44,477                        | \$13.96                         | \$25.09                         |
| 37-2011        | Janitors and Cleaners, Except Maids and Housekeeping Cleaners                            | 9,620                               | 10,750        | 1,130        | 11.7%        | 110                     | 180                         | 290                  | Short-term on-the-job training                     | \$22,926                        | \$8.02                          | \$12.52                         |
| 37-2012        | Maids and Housekeeping Cleaners  | 4,680                               | 5,250         | 570          | 12.2%        | 60                      | 90                          | 150                  | Short-term on-the-job training                     | \$18,769                        | \$7.21                          | \$9.93                          |
| 37-2019        | Building Cleaning Workers, All Other   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 37-2021        | Pest Control Workers   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 37-3011        | Landscaping and Groundskeeping Workers   | 2,830                               | 3,290         | 460          | 16.3%        | 50                      | 40                          | 90                   | Short-term on-the-job training                     | \$26,055                        | \$9.00                          | \$14.29                         |
| 37-3012        | Pesticide Handlers, Sprayers, and Applicators, Vegetation                                | 70                                  | 80            | 10           | 14.3%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$35,994                        | \$11.90                         | \$20.01                         |
| 37-3013        | Tree Trimmers and Pruners  | 80                                  | 80            | 0            | 0.0%         | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$33,090                        | \$11.20                         | \$18.26                         |
| 37-3019        | Grounds Maintenance Workers, All Other   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| <b>39-0000</b> | <b>Personal Care and Service Occupations</b>   | <b>13,010</b>                       | <b>15,570</b> | <b>2,560</b> | <b>19.7%</b> | <b>260</b>              | <b>300</b>                  | <b>560</b>           |  | <b>\$21,834</b>                 | <b>\$7.45</b>                   | <b>\$12.02</b>                  |
| 39-1011        | Gaming Supervisors   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 39-1012        | Slot Key Persons   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 39-1021        | First-Line Supervisors/Managers of Personal Service Workers                              | 520                                 | 610           | 90           | 17.3%        | 10                      | 10                          | 20                   | Work experience in a related occupation            | \$30,411                        | \$10.63                         | \$16.62                         |
| 39-2011        | Animal Trainers  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 39-2021        | Nonfarm Animal Caretakers  | 410                                 | 470           | 60           | 14.6%        | 10                      | 10                          | 20                   | Short-term on-the-job training                     | \$20,989                        | \$7.02                          | \$11.62                         |
| 39-3011        | Gaming Dealers   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 39-3012        | Gaming and Sports Book Writers and Runners   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 39-3019        | Gaming Service Workers, All Other  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 39-3021        | Motion Picture Projectionists  | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 39-3031        | Ushers, Lobby Attendants, and Ticket Takers  | 220                                 | 230           | 10           | 4.5%         | <5                      | 20                          | 20                   | Short-term on-the-job training                     | \$15,210                        | \$6.50                          | \$7.72                          |
| 39-3091        | Amusement and Recreation Attendants  | 830                                 | 920           | 90           | 10.8%        | 10                      | 40                          | 50                   | Short-term on-the-job training                     | \$18,173                        | \$6.74                          | \$9.74                          |
| 39-3092        | Costume Attendants   | *                                   | *             | *            | *            | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |               |              |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|---------------|--------------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016          | Change       | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 39-3093        | Locker Room, Coatroom, and Dressing Room Attendants                     | 40                                  | 50            | 10           | 25.0%       | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$20,040                        | \$7.27                          | \$10.82                         |
| 39-3099        | Entertainment Attendants and Related Workers, All Other                 | *                                   | *             | *            | *           | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 39-4011        | Embalmers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 39-4021        | Funeral Attendants  | 70                                  | 80            | 10           | 14.3%       | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$23,248                        | \$6.62                          | \$13.45                         |
| 39-5011        | Barbers   | *                                   | *             | *            | *           | 0                       | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 39-5012        | Hairdressers, Hairstylists, and Cosmetologists                          | 1,700                               | 1,830         | 130          | 7.6%        | 10                      | 20                          | 30                   | Postsecondary vocational training                  | \$23,003                        | \$7.21                          | \$12.98                         |
| 39-5091        | Makeup Artists, Theatrical and Performance                              | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 39-5092        | Manicurists and Pedicurists   | 100                                 | 120           | 20           | 20.0%       | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$17,788                        | \$7.11                          | \$9.27                          |
| 39-5093        | Shampoosers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 39-5094        | Skin Care Specialists   | 40                                  | 60            | 20           | 50.0%       | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$34,007                        | \$9.78                          | \$19.63                         |
| 39-6011        | Baggage Porters and Bellhops  | 60                                  | 60            | 0            | 0.0%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$21,501                        | \$6.77                          | \$12.12                         |
| 39-6012        | Concierges  | 20                                  | 20            | 0            | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$20,434                        | \$8.02                          | \$10.73                         |
| 39-6021        | Tour Guides and Escorts   | 130                                 | 140           | 10           | 7.7%        | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$17,335                        | \$6.38                          | \$9.31                          |
| 39-6022        | Travel Guides   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 39-6031        | Flight Attendants   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 39-6032        | Transportation Attendants, Except Flight Attendants and Baggage Porters | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 39-9011        | Child Care Workers  | 3,040                               | 3,750         | 710          | 23.4%       | 70                      | 90                          | 160                  | Short-term on-the-job training                     | \$20,458                        | \$7.57                          | \$10.97                         |
| 39-9021        | Personal and Home Care Aides  | 3,190                               | 4,330         | 1,140        | 35.7%       | 110                     | 50                          | 160                  | Short-term on-the-job training                     | \$20,224                        | \$8.48                          | \$10.35                         |
| 39-9031        | Fitness Trainers and Aerobics Instructors                               | 650                                 | 750           | 100          | 15.4%       | 10                      | 10                          | 20                   | Postsecondary vocational training                  | \$27,445                        | \$8.20                          | \$15.69                         |
| 39-9032        | Recreation Workers  | 1,040                               | 1,130         | 90           | 8.7%        | 10                      | 20                          | 30                   | Bachelor's degree                                  | \$24,325                        | \$7.21                          | \$13.94                         |
| 39-9041        | Residential Advisors  | 170                                 | 200           | 30           | 17.6%       | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$28,575                        | \$10.12                         | \$15.55                         |
| 39-9099        | Personal Care and Service Workers, All Other                            | 140                                 | 120           | -20          | -14.3%      | 0                       | <5                          | <5                   | Short-term on-the-job training                     | \$23,383                        | \$7.44                          | \$13.14                         |
| <b>41-0000</b> | <b>Sales and Related Occupations</b>                                    | <b>39,830</b>                       | <b>41,700</b> | <b>1,870</b> | <b>4.7%</b> | <b>190</b>              | <b>1,240</b>                | <b>1,430</b>         |  | <b>\$33,964</b>                 | <b>\$7.57</b>                   | <b>\$20.71</b>                  |
| 41-1011        | First-Line Supervisors/Managers of Retail Sales Workers                 | 2,810                               | 2,840         | 30           | 1.1%        | <5                      | 60                          | 60                   | Work experience in a related occupation            | \$40,014                        | \$12.41                         | \$22.65                         |
| 41-1012        | First-Line Supervisors/Managers of Non-Retail Sales Workers             | 750                                 | 770           | 20           | 2.7%        | <5                      | 10                          | 10                   | Work experience in a related occupation            | \$73,104                        | \$19.08                         | \$43.18                         |
| 41-2011        | Cashiers  | 9,310                               | 8,760         | -550         | -5.9%       | 0                       | 440                         | 440                  | Short-term on-the-job training                     | \$17,955                        | \$6.92                          | \$9.49                          |
| 41-2012        | Gaming Change Persons and Booth Cashiers                                | *                                   | *             | *            | *           | 0                       | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 41-2021        | Counter and Rental Clerks   | 1,330                               | 1,530         | 200          | 15.0%       | 20                      | 50                          | 70                   | Short-term on-the-job training                     | \$21,743                        | \$6.94                          | \$12.21                         |
| 41-2022        | Parts Salespersons  | 540                                 | 520           | -20          | -3.7%       | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$34,194                        | \$11.54                         | \$18.89                         |
| 41-2031        | Retail Salespersons   | 12,900                              | 13,820        | 920          | 7.1%        | 90                      | 400                         | 490                  | Short-term on-the-job training                     | \$23,242                        | \$7.47                          | \$13.03                         |
| 41-3011        | Advertising Sales Agents  | 480                                 | 560           | 80           | 16.7%       | 10                      | 10                          | 20                   | Moderate-term on-the-job training                  | \$41,468                        | \$10.45                         | \$24.68                         |
| 41-3021        | Insurance Sales Agents  | 1,020                               | 1,230         | 210          | 20.6%       | 20                      | 20                          | 40                   | Bachelor's degree                                  | \$66,618                        | \$15.37                         | \$40.36                         |
| 41-3031        | Securities, Commodities, and Financial Services Sales Agents            | 420                                 | 520           | 100          | 23.8%       | 10                      | 10                          | 20                   | Bachelor's degree                                  | \$74,674                        | \$16.06                         | \$45.82                         |
| 41-3041        | Travel Agents   | 190                                 | 190           | 0            | 0.0%        | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$27,106                        | \$8.38                          | \$15.36                         |
| 41-3099        | Sales Representatives, Services, All Other                              | 1,460                               | 1,750         | 290          | 19.9%       | 30                      | 30                          | 60                   | Work experience in a related occupation            | \$56,366                        | \$13.43                         | \$33.93                         |

| SOC Code       | Occupational Title   | Estimated Employment <sup>(1)</sup> |               |              |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|--|-------------------------------------|---------------|--------------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |  | 2006                                | 2016          | Change       | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 41-4011        | Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products        | 1,260                               | 1,430         | 170          | 13.5%       | 20                      | 30                          | 50                   | Work experience in a related occupation            | \$73,827                        | \$22.06                         | \$42.21                         |
| 41-4012        | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 4,780                               | 5,170         | 390          | 8.2%        | 40                      | 110                         | 150                  | Work experience in a related occupation            | \$57,387                        | \$15.04                         | \$33.86                         |
| 41-9011        | Demonstrators and Product Promoters  | *                                   | *             | *            | *           | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 41-9012        | Models   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 41-9021        | Real Estate Brokers  | 110                                 | 120           | 10           | 9.1%        | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$68,462                        | \$25.87                         | \$36.44                         |
| 41-9022        | Real Estate Sales Agents   | 200                                 | 230           | 30           | 15.0%       | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$51,991                        | \$13.19                         | \$30.90                         |
| 41-9031        | Sales Engineers  | 280                                 | 290           | 10           | 3.6%        | <5                      | 10                          | 10                   | Bachelor's degree                                  | \$63,378                        | \$21.24                         | \$35.09                         |
| 41-9041        | Telemarketers  | 1,150                               | 1,020         | -130         | -11.3%      | 0                       | 40                          | 40                   | Short-term on-the-job training                     | \$20,947                        | \$7.73                          | \$11.24                         |
| 41-9091        | Door-To-Door Sales Workers, News and Street Vendors, and Related Workers                     | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 41-9099        | Sales and Related Workers, All Other   | 520                                 | 590           | 70           | 13.5%       | 10                      | 10                          | 20                   | Moderate-term on-the-job training                  | \$46,707                        | \$11.08                         | \$28.14                         |
| <b>43-0000</b> | <b>Office and Administrative Support Occupations</b>   | <b>77,120</b>                       | <b>80,770</b> | <b>3,650</b> | <b>4.7%</b> | <b>370</b>              | <b>1,630</b>                | <b>2,000</b>         |  | <b>\$30,330</b>                 | <b>\$9.94</b>                   | <b>\$16.90</b>                  |
| 43-1011        | First-Line Supervisors/Managers of Office and Administrative Support Workers                 | 3,820                               | 3,880         | 60           | 1.6%        | 10                      | 80                          | 90                   | Work experience in a related occupation            | \$45,965                        | \$15.04                         | \$25.63                         |
| 43-2011        | Switchboard Operators, Including Answering Service   | 570                                 | 520           | -50          | -8.8%       | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$24,866                        | \$9.72                          | \$13.07                         |
| 43-2021        | Telephone Operators  | *                                   | *             | *            | *           | 0                       | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 43-2099        | Communications Equipment Operators, All Other  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 43-3011        | Bill and Account Collectors  | 910                                 | 1,130         | 220          | 24.2%       | 20                      | 10                          | 30                   | Short-term on-the-job training                     | \$31,218                        | \$11.08                         | \$16.97                         |
| 43-3021        | Billing and Posting Clerks and Machine Operators   | 1,560                               | 1,590         | 30           | 1.9%        | <5                      | 20                          | 20                   | Moderate-term on-the-job training                  | \$31,055                        | \$12.06                         | \$16.36                         |
| 43-3031        | Bookkeeping, Accounting, and Auditing Clerks   | 7,410                               | 8,200         | 790          | 10.7%       | 80                      | 120                         | 200                  | Moderate-term on-the-job training                  | \$31,188                        | \$10.70                         | \$17.14                         |
| 43-3041        | Gaming Cage Workers  | *                                   | *             | *            | *           | 0                       | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 43-3051        | Payroll and Timekeeping Clerks   | 600                                 | 600           | 0            | 0.0%        | <5                      | 20                          | 20                   | Moderate-term on-the-job training                  | \$33,311                        | \$12.38                         | \$17.83                         |
| 43-3061        | Procurement Clerks   | 240                                 | 240           | 0            | 0.0%        | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$34,252                        | \$13.03                         | \$18.19                         |
| 43-3071        | Tellers  | 1,930                               | 2,220         | 290          | 15.0%       | 30                      | 80                          | 110                  | Short-term on-the-job training                     | \$22,573                        | \$8.93                          | \$11.81                         |
| 43-4011        | Brokerage Clerks   | 120                                 | 140           | 20           | 16.7%       | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$35,352                        | \$14.36                         | \$18.32                         |
| 43-4021        | Correspondence Clerks  | 30                                  | 40            | 10           | 33.3%       | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$27,811                        | \$12.72                         | \$13.70                         |
| 43-4031        | Court, Municipal, and License Clerks   | 190                                 | 200           | 10           | 5.3%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$34,599                        | \$11.25                         | \$19.33                         |
| 43-4041        | Credit Authorizers, Checkers, and Clerks   | 180                                 | 160           | -20          | -11.1%      | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$31,155                        | \$12.31                         | \$16.31                         |
| 43-4051        | Customer Service Representatives   | 7,680                               | 9,110         | 1,430        | 18.6%       | 140                     | 210                         | 350                  | Moderate-term on-the-job training                  | \$31,922                        | \$10.63                         | \$17.71                         |
| 43-4061        | Eligibility Interviewers, Government Programs  | 210                                 | 210           | 0            | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$33,774                        | \$10.81                         | \$18.95                         |
| 43-4071        | File Clerks  | 830                                 | 470           | -360         | -43.4%      | 0                       | 20                          | 20                   | Short-term on-the-job training                     | \$24,092                        | \$8.71                          | \$13.02                         |
| 43-4081        | Hotel, Motel, and Resort Desk Clerks   | 1,080                               | 1,240         | 160          | 14.8%       | 20                      | 40                          | 60                   | Short-term on-the-job training                     | \$19,325                        | \$7.75                          | \$10.06                         |
| 43-4111        | Interviewers, Except Eligibility and Loan  | 600                                 | 670           | 70           | 11.7%       | 10                      | 20                          | 30                   | Short-term on-the-job training                     | \$26,531                        | \$10.46                         | \$13.90                         |
| 43-4121        | Library Assistants, Clerical   | 280                                 | 290           | 10           | 3.6%        | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$22,865                        | \$8.11                          | \$12.43                         |
| 43-4131        | Loan Interviewers and Clerks   | 760                                 | 740           | -20          | -2.6%       | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$32,117                        | \$12.01                         | \$17.16                         |
| 43-4141        | New Accounts Clerks  | 270                                 | 240           | -30          | -11.1%      | 0                       | 10                          | 10                   | Work experience in a related occupation            | \$30,564                        | \$12.50                         | \$15.79                         |
| 43-4151        | Order Clerks   | 1,750                               | 1,530         | -220         | -12.6%      | 0                       | 40                          | 40                   | Short-term on-the-job training                     | \$27,953                        | \$11.80                         | \$14.26                         |

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |            |           |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|------------|-----------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016       | Change    | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 43-4161        | Human Resources Assistants, Except Payroll and Timekeeping                | 580                                 | 630        | 50        | 8.6%        | 10                      | <5                          | 10                   | Short-term on-the-job training                     | \$34,966                        | \$12.75                         | \$18.84                         |
| 43-4171        | Receptionists and Information Clerks                                      | 4,140                               | 4,740      | 600       | 14.5%       | 60                      | 100                         | 160                  | Short-term on-the-job training                     | \$25,240                        | \$9.08                          | \$13.66                         |
| 43-4181        | Reservation and Transportation Ticket Agents and Travel Clerks            | 130                                 | 130        | 0         | 0.0%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$18,685                        | \$7.81                          | \$9.57                          |
| 43-4199        | Information and Record Clerks, All Other                                  | 810                                 | 710        | -100      | -12.3%      | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$32,628                        | \$12.29                         | \$17.38                         |
| 43-5011        | Cargo and Freight Agents  | 60                                  | 80         | 20        | 33.3%       | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$40,236                        | \$11.65                         | \$23.19                         |
| 43-5021        | Couriers and Messengers   | 260                                 | 250        | -10       | -3.8%       | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$25,342                        | \$9.55                          | \$13.50                         |
| 43-5031        | Police, Fire, and Ambulance Dispatchers                                   | 230                                 | 240        | 10        | 4.3%        | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$35,940                        | \$14.42                         | \$18.71                         |
| 43-5032        | Dispatchers, Except Police, Fire, and Ambulance                           | 420                                 | 420        | 0         | 0.0%        | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$35,689                        | \$11.32                         | \$20.08                         |
| 43-5041        | Meter Readers, Utilities  | 90                                  | 80         | -10       | -11.1%      | 0                       | <5                          | <5                   | Short-term on-the-job training                     | \$28,177                        | \$8.51                          | \$16.07                         |
| 43-5051        | Postal Service Clerks   | 190                                 | 190        | 0         | 0.0%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$43,892                        | \$20.01                         | \$21.65                         |
| 43-5052        | Postal Service Mail Carriers  | 1,040                               | 1,040      | 0         | 0.0%        | <5                      | 30                          | 30                   | Short-term on-the-job training                     | \$43,326                        | \$16.86                         | \$22.81                         |
| 43-5053        | Postal Service Mail Sorters, Processors, and Processing Machine Operators | 530                                 | 490        | -40       | -7.5%       | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$42,484                        | \$17.88                         | \$21.70                         |
| 43-5061        | Production, Planning, and Expediting Clerks                               | 990                                 | 1,050      | 60        | 6.1%        | 10                      | 30                          | 40                   | Moderate-term on-the-job training                  | \$39,206                        | \$14.46                         | \$21.04                         |
| 43-5071        | Shipping, Receiving, and Traffic Clerks                                   | 2,500                               | 2,620      | 120       | 4.8%        | 10                      | 60                          | 70                   | Short-term on-the-job training                     | \$28,001                        | \$10.51                         | \$14.94                         |
| 43-5081        | Stock Clerks and Order Fillers  | 4,600                               | 4,180      | -420      | -9.1%       | 0                       | 110                         | 110                  | Short-term on-the-job training                     | \$22,294                        | \$7.42                          | \$12.37                         |
| 43-5111        | Weighers, Measurers, Checkers, and Samplers, Recordkeeping                | 240                                 | 200        | -40       | -16.7%      | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$29,265                        | \$11.13                         | \$15.54                         |
| 43-6011        | Executive Secretaries and Administrative Assistants                       | 5,450                               | 6,120      | 670       | 12.3%       | 70                      | 90                          | 160                  | Work experience in a related occupation            | \$35,546                        | \$12.76                         | \$19.25                         |
| 43-6012        | Legal Secretaries   | 690                                 | 740        | 50        | 7.2%        | 10                      | 10                          | 20                   | Associate degree                                   | \$34,552                        | \$10.53                         | \$19.65                         |
| 43-6013        | Medical Secretaries   | 690                                 | 820        | 130       | 18.8%       | 10                      | 10                          | 20                   | Moderate-term on-the-job training                  | \$28,427                        | \$11.31                         | \$14.85                         |
| 43-6014        | Secretaries, Except Legal, Medical, and Executive                         | 8,590                               | 8,410      | -180      | -2.1%       | 0                       | 140                         | 140                  | Moderate-term on-the-job training                  | \$29,032                        | \$10.78                         | \$15.55                         |
| 43-9011        | Computer Operators  | 330                                 | 240        | -90       | -27.3%      | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$36,117                        | \$12.36                         | \$19.87                         |
| 43-9021        | Data Entry Keyers   | 1,060                               | 1,000      | -60       | -5.7%       | 0                       | 30                          | 30                   | Moderate-term on-the-job training                  | \$25,194                        | \$9.43                          | \$13.45                         |
| 43-9022        | Word Processors and Typists   | 400                                 | 360        | -40       | -10.0%      | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$32,190                        | \$12.16                         | \$17.13                         |
| 43-9031        | Desktop Publishers  | 170                                 | 170        | 0         | 0.0%        | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$35,475                        | \$12.72                         | \$19.22                         |
| 43-9041        | Insurance Claims and Policy Processing Clerks                             | 1,650                               | 1,650      | 0         | 0.0%        | <5                      | 20                          | 20                   | Moderate-term on-the-job training                  | \$32,224                        | \$11.91                         | \$17.28                         |
| 43-9051        | Mail Clerks and Mail Machine Operators, Except Postal Service             | 740                                 | 640        | -100      | -13.5%      | 0                       | 20                          | 20                   | Short-term on-the-job training                     | \$26,863                        | \$9.99                          | \$14.38                         |
| 43-9061        | Office Clerks, General  | 8,180                               | 8,980      | 800       | 9.8%        | 80                      | 150                         | 230                  | Short-term on-the-job training                     | \$25,539                        | \$8.81                          | \$14.01                         |
| 43-9071        | Office Machine Operators, Except Computer                                 | 240                                 | 220        | -20       | -8.3%       | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$29,172                        | \$11.49                         | \$15.29                         |
| 43-9081        | Proofreaders and Copy Markers   | 80                                  | 90         | 10        | 12.5%       | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$28,010                        | \$9.22                          | \$15.59                         |
| 43-9111        | Statistical Assistants  | 50                                  | 50         | 0         | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$38,326                        | \$14.63                         | \$20.32                         |
| 43-9199        | Office and Administrative Support Workers, All Other                      | 880                                 | 790        | -90       | -10.2%      | 0                       | 20                          | 20                   | Short-term on-the-job training                     | \$28,600                        | \$8.33                          | \$16.46                         |
| <b>45-0000</b> | <b>Farming, Fishing, and Forestry Occupations</b>                         | <b>740</b>                          | <b>800</b> | <b>60</b> | <b>8.1%</b> | <b>10</b>               | <b>20</b>                   | <b>30</b>            |  | <b>\$30,075</b>                 | <b>\$8.67</b>                   | <b>\$17.35</b>                  |
| 45-1011        | First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers | *                                   | *          | *         | *           | <5                      | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |               |              |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|---------------|--------------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016          | Change       | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 45-2011        | Agricultural Inspectors   | 110                                 | 110           | 0            | 0.0%        | <5                      | <5                          | <5                   | Work experience in a related occupation            | \$37,134                        | \$12.95                         | \$20.30                         |
| 45-2021        | Animal Breeders   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Associate degree                                   | *                               | *                               | *                               |
| 45-2041        | Graders and Sorters, Agricultural Products                                    | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 45-2091        | Agricultural Equipment Operators  | 30                                  | 50            | 20           | 66.7%       | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$36,237                        | \$11.89                         | \$20.18                         |
| 45-2092        | Farmworkers and Laborers, Crop, Nursery, and Greenhouse                       | 100                                 | 110           | 10           | 10.0%       | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$21,126                        | \$7.63                          | \$11.42                         |
| 45-2093        | Farmworkers, Farm and Ranch Animals   | 230                                 | 250           | 20           | 8.7%        | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$24,792                        | \$8.07                          | \$13.84                         |
| 45-2099        | Agricultural Workers, All Other   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 45-3011        | Fishers and Related Fishing Workers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 45-4011        | Forest and Conservation Workers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 45-4021        | Fallers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 45-4022        | Logging Equipment Operators   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 45-4023        | Log Graders and Scalars   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 45-4029        | Logging Workers, All Other  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| <b>47-0000</b> | <b>Construction and Extraction Occupations</b>                                | <b>18,440</b>                       | <b>20,210</b> | <b>1,770</b> | <b>9.6%</b> | <b>180</b>              | <b>340</b>                  | <b>520</b>           |  | <b>\$43,454</b>                 | <b>\$13.24</b>                  | <b>\$24.72</b>                  |
| 47-1011        | First-Line Supervisors/Managers of Construction Trades and Extraction Workers | 1,340                               | 1,470         | 130          | 9.7%        | 10                      | 20                          | 30                   | Work experience in a related occupation            | \$61,636                        | \$20.19                         | \$34.35                         |
| 47-2011        | Boilermakers  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 47-2021        | Brickmasons and Blockmasons   | 360                                 | 400           | 40           | 11.1%       | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$54,481                        | \$19.76                         | \$29.41                         |
| 47-2022        | Stonemasons   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 47-2031        | Carpenters  | 3,540                               | 3,950         | 410          | 11.6%       | 40                      | 50                          | 90                   | Long-term on-the-job training                      | \$39,713                        | \$13.20                         | \$22.04                         |
| 47-2041        | Carpet Installers   | 210                                 | 210           | 0            | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$37,852                        | \$11.56                         | \$21.52                         |
| 47-2042        | Floor Layers, Except Carpet, Wood, and Hard Tiles                             | *                                   | *             | *            | *           | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-2043        | Floor Sanders and Finishers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-2044        | Tile and Marble Setters   | 120                                 | 140           | 20           | 16.7%       | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$55,488                        | \$23.89                         | \$28.07                         |
| 47-2051        | Cement Masons and Concrete Finishers  | 650                                 | 730           | 80           | 12.3%       | 10                      | 20                          | 30                   | Moderate-term on-the-job training                  | \$41,813                        | \$14.91                         | \$22.70                         |
| 47-2053        | Terrazzo Workers and Finishers  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 47-2061        | Construction Laborers   | 2,100                               | 2,320         | 220          | 10.5%       | 20                      | 20                          | 40                   | Moderate-term on-the-job training                  | \$33,899                        | \$11.58                         | \$18.66                         |
| 47-2071        | Paving, Surfacing, and Tamping Equipment Operators                            | 130                                 | 140           | 10           | 7.7%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$38,414                        | \$14.00                         | \$20.70                         |
| 47-2072        | Pile-Driver Operators   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-2073        | Operating Engineers and Other Construction Equipment Operators                | 1,350                               | 1,460         | 110          | 8.1%        | 10                      | 30                          | 40                   | Moderate-term on-the-job training                  | \$44,837                        | \$16.90                         | \$23.89                         |
| 47-2081        | Drywall and Ceiling Tile Installers   | 270                                 | 280           | 10           | 3.7%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$47,685                        | \$17.67                         | \$25.56                         |
| 47-2082        | Tapers  | 150                                 | 160           | 10           | 6.7%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$50,575                        | \$22.05                         | \$25.45                         |
| 47-2111        | Electricians  | 1,850                               | 2,010         | 160          | 8.6%        | 20                      | 50                          | 70                   | Long-term on-the-job training                      | \$48,607                        | \$16.06                         | \$27.03                         |
| 47-2121        | Glaziers  | 110                                 | 120           | 10           | 9.1%        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$45,304                        | \$13.29                         | \$26.03                         |
| 47-2131        | Insulation Workers, Floor, Ceiling, and Wall                                  | 90                                  | 90            | 0            | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$30,076                        | \$10.83                         | \$16.27                         |
| 47-2132        | Insulation Workers, Mechanical  | 70                                  | 80            | 10           | 14.3%       | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$59,331                        | \$19.07                         | \$33.25                         |
| 47-2141        | Painters, Construction and Maintenance  | 680                                 | 750           | 70           | 10.3%       | 10                      | 10                          | 20                   | Moderate-term on-the-job training                  | \$39,986                        | \$12.42                         | \$22.63                         |

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |               |              |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|---------------|--------------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016          | Change       | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 47-2142        | Paperhangers  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-2151        | Pipelayers  | 150                                 | 160           | 10           | 6.7%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$40,656                        | \$14.16                         | \$22.24                         |
| 47-2152        | Plumbers, Pipefitters, and Steamfitters                                     | 1,450                               | 1,620         | 170          | 11.7%       | 20                      | 30                          | 50                   | Long-term on-the-job training                      | \$58,093                        | \$19.86                         | \$31.96                         |
| 47-2161        | Plasterers and Stucco Masons  | 130                                 | 130           | 0            | 0.0%        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$42,262                        | \$14.29                         | \$23.33                         |
| 47-2171        | Reinforcing Iron and Rebar Workers  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 47-2181        | Roofers   | 370                                 | 430           | 60           | 16.2%       | 10                      | 10                          | 20                   | Moderate-term on-the-job training                  | \$34,638                        | \$11.75                         | \$19.10                         |
| 47-2211        | Sheet Metal Workers   | 540                                 | 590           | 50           | 9.3%        | 10                      | 10                          | 20                   | Long-term on-the-job training                      | \$53,345                        | \$15.92                         | \$30.51                         |
| 47-2221        | Structural Iron and Steel Workers   | 230                                 | 250           | 20           | 8.7%        | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$45,635                        | \$13.16                         | \$26.33                         |
| 47-3011        | Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters | 60                                  | 70            | 10           | 16.7%       | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$25,034                        | \$9.27                          | \$13.42                         |
| 47-3012        | Helpers--Carpenters   | 200                                 | 230           | 30           | 15.0%       | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$24,541                        | \$7.72                          | \$13.84                         |
| 47-3013        | Helpers--Electricians   | 140                                 | 150           | 10           | 7.1%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$24,759                        | \$10.04                         | \$12.83                         |
| 47-3014        | Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons              | 50                                  | 50            | 0            | 0.0%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$26,153                        | \$10.35                         | \$13.69                         |
| 47-3015        | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters                | 120                                 | 140           | 20           | 16.7%       | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$22,231                        | \$6.67                          | \$12.70                         |
| 47-3016        | Helpers--Roofers  | 30                                  | 30            | 0            | 0.0%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$26,066                        | \$9.92                          | \$13.84                         |
| 47-3019        | Helpers, Construction Trades, All Other                                     | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 47-4011        | Construction and Building Inspectors  | 310                                 | 340           | 30           | 9.7%        | <5                      | 10                          | 10                   | Work experience in a related occupation            | \$44,575                        | \$15.10                         | \$24.59                         |
| 47-4021        | Elevator Installers and Repairers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 47-4031        | Fence Erectors  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-4041        | Hazardous Materials Removal Workers   | 100                                 | 110           | 10           | 10.0%       | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$40,432                        | \$15.27                         | \$21.52                         |
| 47-4051        | Highway Maintenance Workers   | 660                                 | 690           | 30           | 4.5%        | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$34,046                        | \$12.51                         | \$18.30                         |
| 47-4071        | Septic Tank Servicers and Sewer Pipe Cleaners                               | 160                                 | 170           | 10           | 6.3%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$28,545                        | \$10.02                         | \$15.57                         |
| 47-4099        | Construction and Related Workers, All Other                                 | 130                                 | 140           | 10           | 7.7%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$28,155                        | \$10.34                         | \$15.14                         |
| 47-5012        | Rotary Drill Operators, Oil and Gas   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-5021        | Earth Drillers, Except Oil and Gas  | 160                                 | 180           | 20           | 12.5%       | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$38,110                        | \$13.72                         | \$20.62                         |
| 47-5031        | Explosives Workers, Ordnance Handling Experts, and Blasters                 | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-5041        | Continuous Mining Machine Operators   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-5042        | Mine Cutting and Channeling Machine Operators                               | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-5051        | Rock Splitters, Quarry  | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 47-5081        | Helpers--Extraction Workers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 47-5099        | Extraction Workers, All Other   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| <b>49-0000</b> | <b>Installation, Maintenance, and Repair Occupations</b>                    | <b>15,820</b>                       | <b>16,890</b> | <b>1,070</b> | <b>6.8%</b> | <b>110</b>              | <b>250</b>                  | <b>360</b>           |  | <b>\$38,685</b>                 | <b>\$12.16</b>                  | <b>\$21.82</b>                  |
| 49-1011        | First-Line Supervisors/Managers of Mechanics, Installers, and Repairers     | 1,210                               | 1,270         | 60           | 5.0%        | 10                      | 30                          | 40                   | Work experience in a related occupation            | \$55,135                        | \$19.14                         | \$30.19                         |
| 49-2011        | Computer, Automated Teller, and Office Machine Repairers                    | 400                                 | 420           | 20           | 5.0%        | <5                      | 10                          | 10                   | Postsecondary vocational training                  | \$36,632                        | \$10.36                         | \$21.24                         |

| SOC Code | Occupational Title  | Estimated Employment <sup>(1)</sup> |       |        |          | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------|---|-------------------------------------|-------|--------|----------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|          |   | 2006                                | 2016  | Change | % Change | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 49-2021  | Radio Mechanics   | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 49-2022  | Telecommunications Equipment Installers and Repairers, Except Line Installers | 610                                 | 490   | -120   | -19.7%   | 0                       | 20                          | 20                   | Postsecondary vocational training                  | \$50,407                        | \$18.57                         | \$27.07                         |
| 49-2091  | Avionics Technicians  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 49-2092  | Electric Motor, Power Tool, and Related Repairers                             | 50                                  | 50    | 0      | 0.0%     | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$31,557                        | \$11.35                         | \$17.08                         |
| 49-2093  | Electrical and Electronics Installers and Repairers, Transportation Equipment | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 49-2094  | Electrical and Electronics Repairers, Commercial and Industrial Equipment     | 230                                 | 260   | 30     | 13.0%    | <5                      | 10                          | 10                   | Postsecondary vocational training                  | \$43,266                        | \$16.74                         | \$22.83                         |
| 49-2095  | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay       | 40                                  | 40    | 0      | 0.0%     | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$65,619                        | \$24.04                         | \$35.30                         |
| 49-2096  | Electronic Equipment Installers and Repairers, Motor Vehicles                 | 60                                  | 70    | 10     | 16.7%    | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$25,996                        | \$10.91                         | \$13.29                         |
| 49-2097  | Electronic Home Entertainment Equipment Installers and Repairers              | 120                                 | 120   | 0      | 0.0%     | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$32,681                        | \$11.30                         | \$17.92                         |
| 49-2098  | Security and Fire Alarm Systems Installers                                    | 80                                  | 90    | 10     | 12.5%    | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$36,317                        | \$15.63                         | \$18.38                         |
| 49-3011  | Aircraft Mechanics and Service Technicians                                    | 140                                 | 160   | 20     | 14.3%    | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$51,003                        | \$16.82                         | \$28.37                         |
| 49-3021  | Automotive Body and Related Repairers   | 420                                 | 440   | 20     | 4.8%     | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$39,991                        | \$13.45                         | \$22.12                         |
| 49-3022  | Automotive Glass Installers and Repairers                                     | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 49-3023  | Automotive Service Technicians and Mechanics                                  | 1,670                               | 1,830 | 160    | 9.6%     | 20                      | 30                          | 50                   | Postsecondary vocational training                  | \$34,447                        | \$10.52                         | \$19.58                         |
| 49-3031  | Bus and Truck Mechanics and Diesel Engine Specialists                         | 590                                 | 650   | 60     | 10.2%    | 10                      | 10                          | 20                   | Postsecondary vocational training                  | \$38,765                        | \$13.14                         | \$21.38                         |
| 49-3041  | Farm Equipment Mechanics  | 160                                 | 160   | 0      | 0.0%     | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$32,689                        | \$11.57                         | \$17.79                         |
| 49-3042  | Mobile Heavy Equipment Mechanics, Except Engines                              | 260                                 | 290   | 30     | 11.5%    | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$38,724                        | \$15.63                         | \$20.11                         |
| 49-3043  | Rail Car Repairers  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 49-3051  | Motorboat Mechanics   | 80                                  | 90    | 10     | 12.5%    | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$31,007                        | \$12.19                         | \$16.26                         |
| 49-3052  | Motorcycle Mechanics  | 60                                  | 60    | 0      | 0.0%     | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$31,669                        | \$11.76                         | \$16.96                         |
| 49-3053  | Outdoor Power Equipment and Other Small Engine Mechanics                      | 150                                 | 150   | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$30,382                        | \$9.76                          | \$17.03                         |
| 49-3091  | Bicycle Repairers   | 50                                  | 60    | 10     | 20.0%    | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$26,458                        | \$10.13                         | \$14.01                         |
| 49-3092  | Recreational Vehicle Service Technicians                                      | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 49-3093  | Tire Repairers and Changers   | 190                                 | 220   | 30     | 15.8%    | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$21,849                        | \$7.70                          | \$11.91                         |
| 49-9011  | Mechanical Door Repairers   | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 49-9012  | Control and Valve Installers and Repairers, Except Mechanical Door            | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 49-9021  | Heating, Air Conditioning, and Refrigeration Mechanics and Installers         | 710                                 | 780   | 70     | 9.9%     | 10                      | 10                          | 20                   | Long-term on-the-job training                      | \$42,040                        | \$13.13                         | \$23.75                         |
| 49-9031  | Home Appliance Repairers  | 130                                 | 130   | 0      | 0.0%     | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$33,403                        | \$12.62                         | \$17.78                         |
| 49-9041  | Industrial Machinery Mechanics  | 900                                 | 1,050 | 150    | 16.7%    | 20                      | 20                          | 40                   | Long-term on-the-job training                      | \$39,754                        | \$13.80                         | \$21.77                         |
| 49-9042  | Maintenance and Repair Workers, General                                       | 4,500                               | 4,870 | 370    | 8.2%     | 40                      | 10                          | 50                   | Long-term on-the-job training                      | \$35,681                        | \$12.58                         | \$19.44                         |

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |               |              |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|---------------|--------------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016          | Change       | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 49-9043        | Maintenance Workers, Machinery  | 220                                 | 230           | 10           | 4.5%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$32,337                        | \$11.03                         | \$17.80                         |
| 49-9044        | Millwrights   | 170                                 | 200           | 30           | 17.6%       | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$42,957                        | \$16.04                         | \$22.96                         |
| 49-9045        | Refractory Materials Repairers, Except Brickmasons                          | 10                                  | 10            | 0            | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$43,570                        | \$13.66                         | \$24.59                         |
| 49-9051        | Electrical Power-Line Installers and Repairers                              | 490                                 | 540           | 50           | 10.2%       | 10                      | 20                          | 30                   | Long-term on-the-job training                      | \$47,683                        | \$14.86                         | \$26.96                         |
| 49-9052        | Telecommunications Line Installers and Repairers                            | 490                                 | 470           | -20          | -4.1%       | 0                       | 10                          | 10                   | Long-term on-the-job training                      | \$39,647                        | \$13.25                         | \$21.97                         |
| 49-9061        | Camera and Photographic Equipment Repairers                                 | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 49-9062        | Medical Equipment Repairers   | 110                                 | 140           | 30           | 27.3%       | <5                      | <5                          | <5                   | Associate degree                                   | \$47,199                        | \$18.48                         | \$24.80                         |
| 49-9063        | Musical Instrument Repairers and Tuners                                     | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 49-9069        | Precision Instrument and Equipment Repairers, All Other                     | 70                                  | 70            | 0            | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$41,089                        | \$10.78                         | \$24.24                         |
| 49-9091        | Coin, Vending, and Amusement Machine Servicers and Repairers                | 250                                 | 230           | -20          | -8.0%       | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$34,606                        | \$12.12                         | \$18.89                         |
| 49-9092        | Commercial Divers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Postsecondary vocational training                  | *                               | *                               | *                               |
| 49-9094        | Locksmiths and Safe Repairers   | 30                                  | 30            | 0            | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$40,800                        | \$14.72                         | \$22.06                         |
| 49-9095        | Manufactured Building and Mobile Home Installers                            | *                                   | *             | *            | *           | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 49-9096        | Riggers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 49-9097        | Signal and Track Switch Repairers   | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 49-9098        | Helpers--Installation, Maintenance, and Repair Workers                      | 360                                 | 380           | 20           | 5.6%        | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$23,939                        | \$8.29                          | \$13.12                         |
| 49-9099        | Installation, Maintenance, and Repair Workers, All Other                    | 360                                 | 390           | 30           | 8.3%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$32,837                        | \$11.07                         | \$18.15                         |
| <b>51-0000</b> | <b>Production Occupations</b>   | <b>42,130</b>                       | <b>43,260</b> | <b>1,130</b> | <b>2.7%</b> | <b>110</b>              | <b>840</b>                  | <b>950</b>           |  | <b>\$30,788</b>                 | <b>\$10.14</b>                  | <b>\$17.13</b>                  |
| 51-1011        | First-Line Supervisors/Managers of Production and Operating Workers         | 2,660                               | 2,740         | 80           | 3.0%        | 10                      | 50                          | 60                   | Work experience in a related occupation            | \$48,671                        | \$16.59                         | \$26.80                         |
| 51-2011        | Aircraft Structure, Surfaces, Rigging, and Systems Assemblers               | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-2021        | Coil Winders, Tapers, and Finishers   | 100                                 | 80            | -20          | -20.0%      | 0                       | <5                          | <5                   | Short-term on-the-job training                     | \$28,663                        | \$12.06                         | \$14.64                         |
| 51-2022        | Electrical and Electronic Equipment Assemblers                              | 760                                 | 610           | -150         | -19.7%      | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$27,762                        | \$10.44                         | \$14.80                         |
| 51-2023        | Electromechanical Equipment Assemblers                                      | 210                                 | 210           | 0            | 0.0%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$30,663                        | \$8.79                          | \$17.72                         |
| 51-2031        | Engine and Other Machine Assemblers   | 220                                 | 220           | 0            | 0.0%        | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$24,746                        | \$9.23                          | \$13.23                         |
| 51-2041        | Structural Metal Fabricators and Fitters                                    | 370                                 | 380           | 10           | 2.7%        | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$35,980                        | \$14.86                         | \$18.52                         |
| 51-2091        | Fiberglass Laminators and Fabricators                                       | 50                                  | 50            | 0            | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$26,359                        | \$9.71                          | \$14.15                         |
| 51-2092        | Team Assemblers   | 5,110                               | 5,350         | 240          | 4.7%        | 20                      | 110                         | 130                  | Moderate-term on-the-job training                  | \$25,943                        | \$9.19                          | \$14.11                         |
| 51-2093        | Timing Device Assemblers, Adjusters, and Calibrators                        | *                                   | *             | *            | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-2099        | Assemblers and Fabricators, All Other                                       | 1,170                               | 1,130         | -40          | -3.4%       | 0                       | 20                          | 20                   | Moderate-term on-the-job training                  | \$26,017                        | \$9.50                          | \$14.01                         |
| 51-3011        | Bakers  | 540                                 | 590           | 50           | 9.3%        | 10                      | 10                          | 20                   | Long-term on-the-job training                      | \$23,109                        | \$8.26                          | \$12.54                         |
| 51-3021        | Butchers and Meat Cutters   | 470                                 | 480           | 10           | 2.1%        | <5                      | 20                          | 20                   | Long-term on-the-job training                      | \$27,630                        | \$10.17                         | \$14.84                         |
| 51-3022        | Meat, Poultry, and Fish Cutters and Trimmers                                | 310                                 | 340           | 30           | 9.7%        | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$22,390                        | \$8.42                          | \$11.94                         |
| 51-3023        | Slaughterers and Meat Packers   | *                                   | *             | *            | *           | 10                      | 20                          | 30                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-3091        | Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders | 100                                 | 110           | 10           | 10.0%       | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$25,226                        | \$10.51                         | \$12.94                         |
| 51-3092        | Food Batchmakers  | 540                                 | 590           | 50           | 9.3%        | 10                      | 10                          | 20                   | Short-term on-the-job training                     | \$27,887                        | \$10.32                         | \$14.95                         |

| SOC Code | Occupational Title  | Estimated Employment <sup>(1)</sup> |       |        |          | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------|---|-------------------------------------|-------|--------|----------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|          |   | 2006                                | 2016  | Change | % Change | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 51-3093  | Food Cooking Machine Operators and Tenders  | 230                                 | 220   | -10    | -4.3%    | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$23,882                        | \$8.72                          | \$12.86                         |
| 51-4011  | Computer-Controlled Machine Tool Operators, Metal and Plastic   | 830                                 | 900   | 70     | 8.4%     | 10                      | 10                          | 20                   | Moderate-term on-the-job training                  | \$33,521                        | \$12.94                         | \$17.70                         |
| 51-4012  | Numerical Tool and Process Control Programmers  | 80                                  | 80    | 0      | 0.0%     | <5                      | <5                          | <5                   | Work experience in a related occupation            | \$39,603                        | \$16.50                         | \$20.31                         |
| 51-4021  | Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic                          | 290                                 | 300   | 10     | 3.4%     | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$28,214                        | \$10.56                         | \$15.07                         |
| 51-4022  | Forging Machine Setters, Operators, and Tenders, Metal and Plastic  | 220                                 | 190   | -30    | -13.6%   | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$34,989                        | \$13.74                         | \$18.36                         |
| 51-4023  | Rolling Machine Setters, Operators, and Tenders, Metal and Plastic  | 50                                  | 50    | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$31,691                        | \$12.40                         | \$16.65                         |
| 51-4031  | Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic                   | 1,350                               | 1,260 | -90    | -6.7%    | 0                       | 30                          | 30                   | Moderate-term on-the-job training                  | \$30,116                        | \$10.47                         | \$16.48                         |
| 51-4032  | Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic                       | 200                                 | 180   | -20    | -10.0%   | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | \$29,418                        | \$10.70                         | \$15.87                         |
| 51-4033  | Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 520                                 | 490   | -30    | -5.8%    | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$29,083                        | \$10.94                         | \$15.50                         |
| 51-4034  | Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic                         | 250                                 | 220   | -30    | -12.0%   | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$30,321                        | \$11.26                         | \$16.24                         |
| 51-4035  | Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic                            | 120                                 | 110   | -10    | -8.3%    | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | \$29,800                        | \$10.20                         | \$16.39                         |
| 51-4041  | Machinists  | 1,360                               | 1,450 | 90     | 6.6%     | 10                      | 20                          | 30                   | Long-term on-the-job training                      | \$35,095                        | \$12.07                         | \$19.27                         |
| 51-4051  | Metal-Refining Furnace Operators and Tenders  | 60                                  | 60    | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$27,855                        | \$11.21                         | \$14.48                         |
| 51-4052  | Pourers and Casters, Metal  | 80                                  | 90    | 10     | 12.5%    | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$29,300                        | \$11.44                         | \$15.41                         |
| 51-4061  | Model Makers, Metal and Plastic   | 60                                  | 60    | 0      | 0.0%     | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$41,162                        | \$15.19                         | \$22.09                         |
| 51-4062  | Patternmakers, Metal and Plastic  | 50                                  | 50    | 0      | 0.0%     | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$31,191                        | \$12.82                         | \$16.08                         |
| 51-4071  | Foundry Mold and Coremakers   | 170                                 | 160   | -10    | -5.9%    | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | \$29,122                        | \$10.85                         | \$15.58                         |
| 51-4072  | Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic               | 1,170                               | 1,130 | -40    | -3.4%    | 0                       | 30                          | 30                   | Moderate-term on-the-job training                  | \$25,605                        | \$9.48                          | \$13.73                         |
| 51-4081  | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic                                  | 710                                 | 810   | 100    | 14.1%    | 10                      | 10                          | 20                   | Moderate-term on-the-job training                  | \$32,169                        | \$11.98                         | \$17.21                         |
| 51-4111  | Tool and Die Makers   | 410                                 | 420   | 10     | 2.4%     | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$42,323                        | \$16.00                         | \$22.52                         |
| 51-4121  | Welders, Cutters, Solderers, and Brazers  | 1,310                               | 1,420 | 110    | 8.4%     | 10                      | 30                          | 40                   | Postsecondary vocational training                  | \$33,364                        | \$12.83                         | \$17.64                         |
| 51-4122  | Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders                                   | 260                                 | 290   | 30     | 11.5%    | <5                      | 10                          | 10                   | Postsecondary vocational training                  | \$31,571                        | \$11.69                         | \$16.92                         |
| 51-4191  | Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic                                | 70                                  | 70    | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$27,436                        | \$12.17                         | \$13.70                         |
| 51-4192  | Lay-Out Workers, Metal and Plastic  | *                                   | *     | *      | *        | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-4193  | Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic                            | 100                                 | 100   | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$29,091                        | \$10.76                         | \$15.60                         |

| SOC Code | Occupational Title  | Estimated Employment <sup>(1)</sup> |       |        |          | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------|---|-------------------------------------|-------|--------|----------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|          |   | 2006                                | 2016  | Change | % Change | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 51-4194  | Tool Grinders, Filers, and Sharpeners   | 110                                 | 90    | -20    | -18.2%   | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | \$33,870                        | \$13.36                         | \$17.75                         |
| 51-4199  | Metal Workers and Plastic Workers, All Other  | 150                                 | 120   | -30    | -20.0%   | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | \$30,955                        | \$12.49                         | \$16.08                         |
| 51-5011  | Bindery Workers   | 830                                 | 840   | 10     | 1.2%     | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$28,518                        | \$9.72                          | \$15.71                         |
| 51-5012  | Bookbinders   | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-5021  | Job Printers  | 350                                 | 360   | 10     | 2.9%     | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$30,169                        | \$11.55                         | \$15.98                         |
| 51-5022  | Prepress Technicians and Workers  | 480                                 | 430   | -50    | -10.4%   | 0                       | 10                          | 10                   | Postsecondary vocational training                  | \$38,517                        | \$14.32                         | \$20.62                         |
| 51-5023  | Printing Machine Operators  | 1,170                               | 1,300 | 130    | 11.1%    | 10                      | 30                          | 40                   | Moderate-term on-the-job training                  | \$35,623                        | \$12.01                         | \$19.68                         |
| 51-6011  | Laundry and Dry-Cleaning Workers  | 730                                 | 780   | 50     | 6.8%     | 10                      | 20                          | 30                   | Moderate-term on-the-job training                  | \$20,756                        | \$7.65                          | \$11.14                         |
| 51-6021  | Pressers, Textile, Garment, and Related Materials   | 120                                 | 120   | 0      | 0.0%     | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$19,218                        | \$7.28                          | \$10.22                         |
| 51-6031  | Sewing Machine Operators  | 380                                 | 390   | 10     | 2.6%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$25,533                        | \$9.86                          | \$13.48                         |
| 51-6041  | Shoe and Leather Workers and Repairers  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-6042  | Shoe Machine Operators and Tenders  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-6051  | Sewers, Hand  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 51-6052  | Tailors, Dressmakers, and Custom Sewers   | 130                                 | 130   | 0      | 0.0%     | <5                      | <5                          | <5                   | Work experience in a related occupation            | \$24,479                        | \$8.38                          | \$13.46                         |
| 51-6061  | Textile Bleaching and Dyeing Machine Operators and Tenders                                | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-6062  | Textile Cutting Machine Setters, Operators, and Tenders                                   | 50                                  | 50    | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$22,421                        | \$8.54                          | \$11.90                         |
| 51-6063  | Textile Knitting and Weaving Machine Setters, Operators, and Tenders                      | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-6064  | Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders        | *                                   | *     | *      | *        | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-6091  | Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-6092  | Fabric and Apparel Patternmakers  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-6093  | Upholsterers  | 60                                  | 60    | 0      | 0.0%     | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$33,236                        | \$11.64                         | \$18.15                         |
| 51-6099  | Textile, Apparel, and Furnishings Workers, All Other                                      | 50                                  | 60    | 10     | 20.0%    | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$31,383                        | \$10.85                         | \$17.21                         |
| 51-7011  | Cabinetmakers and Bench Carpenters  | 340                                 | 380   | 40     | 11.8%    | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$32,975                        | \$12.91                         | \$17.32                         |
| 51-7021  | Furniture Finishers   | 40                                  | 40    | 0      | 0.0%     | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$26,698                        | \$10.18                         | \$14.16                         |
| 51-7031  | Model Makers, Wood  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-7032  | Patternmakers, Wood   | *                                   | *     | *      | *        | 0                       | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-7041  | Sawing Machine Setters, Operators, and Tenders, Wood                                      | 140                                 | 150   | 10     | 7.1%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$26,337                        | \$10.05                         | \$13.97                         |
| 51-7042  | Woodworking Machine Setters, Operators, and Tenders, Except Sawing                        | 360                                 | 410   | 50     | 13.9%    | 10                      | 10                          | 20                   | Moderate-term on-the-job training                  | \$28,373                        | \$9.83                          | \$15.55                         |
| 51-7099  | Woodworkers, All Other  | 30                                  | 30    | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$23,489                        | \$8.40                          | \$12.74                         |
| 51-8011  | Nuclear Power Reactor Operators   | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-8012  | Power Distributors and Dispatchers  | 20                                  | 20    | 0      | 0.0%     | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$63,424                        | \$24.22                         | \$33.63                         |
| 51-8013  | Power Plant Operators   | *                                   | *     | *      | *        | <5                      | 10                          | 10                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-8021  | Stationary Engineers and Boiler Operators   | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |

| SOC Code | Occupational Title  | Estimated Employment <sup>(1)</sup> |       |        |          | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------|---|-------------------------------------|-------|--------|----------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|          |   | 2006                                | 2016  | Change | % Change | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 51-8031  | Water and Liquid Waste Treatment Plant and System Operators   | 270                                 | 290   | 20     | 7.4%     | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$39,139                        | \$15.42                         | \$20.51                         |
| 51-8091  | Chemical Plant and System Operators   | 30                                  | 40    | 10     | 33.3%    | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$44,178                        | \$17.81                         | \$22.95                         |
| 51-8092  | Gas Plant Operators   | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-8093  | Petroleum Pump System Operators, Refinery Operators, and Gaugers                                    | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-8099  | Plant and System Operators, All Other   | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-9011  | Chemical Equipment Operators and Tenders  | 140                                 | 160   | 20     | 14.3%    | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$42,481                        | \$13.36                         | \$23.96                         |
| 51-9012  | Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders | 260                                 | 280   | 20     | 7.7%     | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$28,894                        | \$9.48                          | \$16.10                         |
| 51-9021  | Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders                           | 190                                 | 170   | -20    | -10.5%   | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | \$28,787                        | \$9.08                          | \$16.22                         |
| 51-9022  | Grinding and Polishing Workers, Hand  | 170                                 | 170   | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$28,967                        | \$11.18                         | \$15.30                         |
| 51-9023  | Mixing and Blending Machine Setters, Operators, and Tenders   | 610                                 | 640   | 30     | 4.9%     | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$31,945                        | \$11.96                         | \$17.06                         |
| 51-9031  | Cutters and Trimmers, Hand  | 110                                 | 130   | 20     | 18.2%    | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$29,806                        | \$12.45                         | \$15.27                         |
| 51-9032  | Cutting and Slicing Machine Setters, Operators, and Tenders   | 630                                 | 680   | 50     | 7.9%     | 10                      | 10                          | 20                   | Moderate-term on-the-job training                  | \$32,659                        | \$11.92                         | \$17.59                         |
| 51-9041  | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders                | 260                                 | 250   | -10    | -3.8%    | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$27,776                        | \$9.61                          | \$15.23                         |
| 51-9051  | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders  | 40                                  | 40    | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$30,569                        | \$10.76                         | \$16.67                         |
| 51-9061  | Inspectors, Testers, Sorters, Samplers, and Weighers  | 2,640                               | 2,830 | 190    | 7.2%     | 20                      | 40                          | 60                   | Moderate-term on-the-job training                  | \$33,226                        | \$11.71                         | \$18.10                         |
| 51-9071  | Jewelers and Precious Stone and Metal Workers   | 60                                  | 60    | 0      | 0.0%     | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$31,290                        | \$10.24                         | \$17.44                         |
| 51-9081  | Dental Laboratory Technicians   | 310                                 | 350   | 40     | 12.9%    | <5                      | 10                          | 10                   | Long-term on-the-job training                      | \$37,509                        | \$12.07                         | \$21.02                         |
| 51-9082  | Medical Appliance Technicians   | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 51-9083  | Ophthalmic Laboratory Technicians   | 130                                 | 140   | 10     | 7.7%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$27,448                        | \$10.01                         | \$14.79                         |
| 51-9111  | Packaging and Filling Machine Operators and Tenders   | 2,180                               | 2,130 | -50    | -2.3%    | 0                       | 40                          | 40                   | Short-term on-the-job training                     | \$27,453                        | \$10.43                         | \$14.58                         |
| 51-9121  | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders                             | 530                                 | 510   | -20    | -3.8%    | 0                       | 10                          | 10                   | Moderate-term on-the-job training                  | \$29,829                        | \$10.72                         | \$16.15                         |
| 51-9122  | Painters, Transportation Equipment  | 140                                 | 140   | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$48,551                        | \$13.71                         | \$28.16                         |
| 51-9123  | Painting, Coating, and Decorating Workers   | 110                                 | 110   | 0      | 0.0%     | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$23,476                        | \$8.00                          | \$12.93                         |
| 51-9131  | Photographic Process Workers  | 60                                  | 30    | -30    | -50.0%   | 0                       | <5                          | <5                   | Moderate-term on-the-job training                  | \$25,256                        | \$7.26                          | \$14.58                         |
| 51-9132  | Photographic Processing Machine Operators   | 120                                 | 60    | -60    | -50.0%   | 0                       | <5                          | <5                   | Short-term on-the-job training                     | \$22,202                        | \$8.22                          | \$11.90                         |
| 51-9141  | Semiconductor Processors  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Associate degree                                   | *                               | *                               | *                               |
| 51-9191  | Cementing and Gluing Machine Operators and Tenders  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-9192  | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders                               | 60                                  | 60    | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$26,969                        | \$10.18                         | \$14.36                         |
| 51-9193  | Cooling and Freezing Equipment Operators and Tenders  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |

| SOC Code       | Occupational Title  | Estimated Employment <sup>(1)</sup> |               |            |             | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------------|---|-------------------------------------|---------------|------------|-------------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|                |   | 2006                                | 2016          | Change     | % Change    | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 51-9194        | Etchers and Engravers   | 40                                  | 40            | 0          | 0.0%        | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$28,841                        | \$10.34                         | \$15.63                         |
| 51-9195        | Molders, Shapers, and Casters, Except Metal and Plastic   | 160                                 | 160           | 0          | 0.0%        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$33,159                        | \$12.42                         | \$17.70                         |
| 51-9196        | Paper Goods Machine Setters, Operators, and Tenders   | 280                                 | 290           | 10         | 3.6%        | <5                      | 10                          | 10                   | Moderate-term on-the-job training                  | \$30,602                        | \$11.34                         | \$16.40                         |
| 51-9197        | Tire Builders   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 51-9198        | Helpers--Production Workers   | 1,980                               | 2,080         | 100        | 5.1%        | 10                      | 50                          | 60                   | Short-term on-the-job training                     | \$23,953                        | \$8.81                          | \$12.87                         |
| 51-9199        | Production Workers, All Other   | 1,120                               | 1,220         | 100        | 8.9%        | 10                      | 20                          | 30                   | Moderate-term on-the-job training                  | \$30,989                        | \$10.05                         | \$17.32                         |
| <b>53-0000</b> | <b>Transportation and Material Moving Occupations</b>   | <b>27,950</b>                       | <b>28,640</b> | <b>690</b> | <b>2.5%</b> | <b>70</b>               | <b>620</b>                  | <b>690</b>           |  | <b>\$28,974</b>                 | <b>\$8.81</b>                   | <b>\$16.49</b>                  |
| 53-1011        | Aircraft Cargo Handling Supervisors   | 30                                  | 30            | 0          | 0.0%        | <5                      | <5                          | <5                   | Work experience in a related occupation            | \$35,112                        | \$12.67                         | \$18.99                         |
| 53-1021        | First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand                     | 600                                 | 660           | 60         | 10.0%       | 10                      | 10                          | 20                   | Work experience in a related occupation            | \$45,589                        | \$15.33                         | \$25.21                         |
| 53-1031        | First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators | 560                                 | 610           | 50         | 8.9%        | 10                      | 10                          | 20                   | Work experience in a related occupation            | \$51,340                        | \$17.99                         | \$28.03                         |
| 53-2011        | Airline Pilots, Copilots, and Flight Engineers  | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 53-2012        | Commercial Pilots   | 80                                  | 90            | 10         | 12.5%       | <5                      | <5                          | <5                   | Postsecondary vocational training                  | \$87,028                        | *                               | *                               |
| 53-2021        | Air Traffic Controllers   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Bachelor's degree                                  | *                               | *                               | *                               |
| 53-2022        | Airfield Operations Specialists   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Long-term on-the-job training                      | *                               | *                               | *                               |
| 53-3011        | Ambulance Drivers and Attendants, Except Emergency Medical Technicians                              | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 53-3021        | Bus Drivers, Transit and Intercity  | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 53-3022        | Bus Drivers, School   | 1,120                               | 1,220         | 100        | 8.9%        | 10                      | 20                          | 30                   | Moderate-term on-the-job training                  | \$25,095                        | \$8.21                          | \$13.99                         |
| 53-3031        | Driver/Sales Workers  | 1,110                               | 1,010         | -100       | -9.0%       | 0                       | 20                          | 20                   | Short-term on-the-job training                     | \$23,481                        | \$6.74                          | \$13.56                         |
| 53-3032        | Truck Drivers, Heavy and Tractor-Trailer  | 4,900                               | 5,440         | 540        | 11.0%       | 50                      | 90                          | 140                  | Moderate-term on-the-job training                  | \$37,558                        | \$12.65                         | \$20.76                         |
| 53-3033        | Truck Drivers, Light or Delivery Services   | 2,740                               | 2,950         | 210        | 7.7%        | 20                      | 50                          | 70                   | Short-term on-the-job training                     | \$28,575                        | \$8.75                          | \$16.23                         |
| 53-3041        | Taxi Drivers and Chauffeurs   | 750                                 | 840           | 90         | 12.0%       | 10                      | 10                          | 20                   | Short-term on-the-job training                     | \$20,048                        | \$7.63                          | \$10.64                         |
| 53-3099        | Motor Vehicle Operators, All Other  | 250                                 | 270           | 20         | 8.0%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$21,569                        | \$6.64                          | \$12.23                         |
| 53-4013        | Rail Yard Engineers, Dinkey Operators, and Hostlers   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 53-4099        | Rail Transportation Workers, All Other  | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 53-5011        | Sailors and Marine Oilers   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 53-5021        | Captains, Mates, and Pilots of Water Vessels  | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 53-5022        | Motorboat Operators   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 53-5031        | Ship Engineers  | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 53-6011        | Bridge and Lock Tenders   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 53-6021        | Parking Lot Attendants  | 210                                 | 210           | 0          | 0.0%        | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$20,045                        | \$7.39                          | \$10.76                         |
| 53-6031        | Service Station Attendants  | 150                                 | 180           | 30         | 20.0%       | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$21,698                        | \$8.69                          | \$11.30                         |
| 53-6041        | Traffic Technicians   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 53-6051        | Transportation Inspectors   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Work experience in a related occupation            | *                               | *                               | *                               |
| 53-6099        | Transportation Workers, All Other   | *                                   | *             | *          | *           | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 53-7011        | Conveyor Operators and Tenders  | 110                                 | 110           | 0          | 0.0%        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | \$34,926                        | \$11.32                         | \$19.53                         |
| 53-7021        | Crane and Tower Operators   | 70                                  | 80            | 10         | 14.3%       | <5                      | <5                          | <5                   | Long-term on-the-job training                      | \$39,187                        | \$11.94                         | \$22.29                         |

| SOC Code | Occupational Title                                     | Estimated Employment <sup>(1)</sup> |       |        |          | Average Annual Openings |                             |                      | Typical Education and Training Path <sup>(4)</sup> | Estimated Salary and Wages      |                                 |                                 |
|----------|--|-------------------------------------|-------|--------|----------|-------------------------|-----------------------------|----------------------|--|---------------------------------|---------------------------------|---------------------------------|
|          |  | 2006                                | 2016  | Change | % Change | New Jobs                | Replacements <sup>(2)</sup> | Total <sup>(3)</sup> |  | Avg. Ann. Salary <sup>(5)</sup> | Entry Level Wage <sup>(6)</sup> | Experienced Wage <sup>(7)</sup> |
| 53-7031  | Dredge Operators                                       | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 53-7032  | Excavating and Loading Machine and Dragline Operators  | 120                                 | 130   | 10     | 8.3%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$45,036                        | \$14.52                         | \$25.22                         |
| 53-7033  | Loading Machine Operators, Underground Mining          | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 53-7041  | Hoist and Winch Operators                              | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 53-7051  | Industrial Truck and Tractor Operators                 | 2,020                               | 2,000 | -20    | -1.0%    | 0                       | 50                          | 50                   | Short-term on-the-job training                     | \$29,283                        | \$11.18                         | \$15.53                         |
| 53-7061  | Cleaners of Vehicles and Equipment                     | 1,050                               | 1,120 | 70     | 6.7%     | 10                      | 40                          | 50                   | Short-term on-the-job training                     | \$21,889                        | \$7.18                          | \$12.20                         |
| 53-7062  | Laborers and Freight, Stock, and Material Movers, Hand | 7,020                               | 7,010 | -10    | -0.1%    | 0                       | 230                         | 230                  | Short-term on-the-job training                     | \$24,976                        | \$8.88                          | \$13.57                         |
| 53-7063  | Machine Feeders and Offbearers                         | 580                                 | 530   | -50    | -8.6%    | 0                       | 10                          | 10                   | Short-term on-the-job training                     | \$24,828                        | \$9.18                          | \$13.32                         |
| 53-7064  | Packers and Packagers, Hand                            | 3,490                               | 3,100 | -390   | -11.2%   | 0                       | 40                          | 40                   | Short-term on-the-job training                     | \$23,830                        | \$7.85                          | \$13.26                         |
| 53-7072  | Pump Operators, Except Wellhead Pumpers                | 20                                  | 20    | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$31,122                        | \$13.50                         | \$15.70                         |
| 53-7081  | Refuse and Recyclable Material Collectors              | 240                                 | 250   | 10     | 4.2%     | <5                      | 10                          | 10                   | Short-term on-the-job training                     | \$36,313                        | \$10.33                         | \$21.02                         |
| 53-7111  | Shuttle Car Operators                                  | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Short-term on-the-job training                     | *                               | *                               | *                               |
| 53-7121  | Tank Car, Truck, and Ship Loaders                      | *                                   | *     | *      | *        | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | *                               | *                               | *                               |
| 53-7199  | Material Moving Workers, All Other                     | 120                                 | 120   | 0      | 0.0%     | <5                      | <5                          | <5                   | Moderate-term on-the-job training                  | \$24,869                        | \$8.71                          | \$13.58                         |

See notes on the last page.

## Notes:

- (1) **Employment** is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment does not include jobs among self-employed, unpaid family workers, or railroad workers. Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.  
**Short-Term On-the-Job Training:** These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.  
**Moderate-Term On-the-Job Training:** Training for these occupations usually occurs at the workplace and lasts from one to twelve months.  
**Long-Term On-the-Job Training:** These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.  
**Work Experience in Related Occupation:** Occupations in this category require skills and experience gained in other jobs.  
**Postsecondary Vocational Training:** These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.  
**Associate Degree:** This degree requires two years of full-time academic work beyond high school.  
**Bachelor's Degree:** This degree requires four or five years of full-time academic work at a college or university.  
**Master's Degree:** This degree requires one to two years of full-time study beyond a bachelor's degree.  
**Doctoral Degree:** This degree usually requires at least three years of full-time study beyond a bachelor's degree.  
**First Professional Degree:** These degrees typically require at least two years of full-time study beyond a bachelor's degree.  
**Bachelor's or higher degree, plus work experience:** These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) **Entry Level Wage** is the average of the lower third of wages.
- (7) **Experienced Wage** is the average of the upper two-thirds of wages.
- (8) Either a bachelor's or an associate degree is accepted in this occupation. It depends on the specifics of the position and the employer.  
\* Information is not available.

Information is derived using the 2006 OES Survey, 2006 QCEW and 2006 CES data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used. To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2006 to 2016. It is important to note that unanticipated events may affect the accuracy of these projections.

**Source:** Office of Economic Advisors, Wisconsin Department of Workforce Development, November 2008

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