

| Standard Occupational Classification (SOC)<br>Code Title |   | Emp.<br>2014     | Employment Change   |                   | Average Annual Job Openings |                |                | 2015<br>Median<br>Annual<br>Wage | Training/<br>Education<br>Level   |
|--|---|------------------|---------------------|-------------------|-----------------------------|----------------|----------------|----------------------------------|-----------------------------------|
|  |   |                  | 2014-2024<br>Number | Percent<br>Growth | due to<br>Replcmnts         | Total          |                |                                  |                                   |
| <b>00-0000</b>   | <b>Total, All Occupations</b>                     | <b>6,263,919</b> | <b>371,593</b>      | <b>5.93</b>       | <b>42,732</b>               | <b>147,453</b> | <b>190,185</b> | <b>\$37,316</b>                  |                                   |
| <b>Engineering &amp; Technology</b>                      |   |                  |                     |                   |                             |                |                |                                  |                                   |
| 172141   | Mechanical Engineers                              | 12,055           | 654                 | 5.43              | 65                          | 382            | 447            | \$84,543                         | Bachelor's degree                 |
| 172051   | Civil Engineers                                   | 10,625           | 931                 | 8.76              | 93                          | 314            | 407            | \$84,434                         | Bachelor's degree                 |
| 172112   | Industrial Engineers                              | 10,109           | 162                 | 1.60              | 16                          | 296            | 312            | \$78,146                         | Bachelor's degree                 |
| 172199   | Engineers, All Other                              | 7,838            | 729                 | 9.30              | 73                          | 157            | 230            | \$86,182                         | Bachelor's degree                 |
| 172071   | Electrical Engineers                              | 5,263            | 122                 | 2.32              | 12                          | 116            | 128            | \$92,036                         | Bachelor's degree                 |
| 173029   | Engineering Technicians, exc. Drafters, All Other | 4,109            | 78                  | 1.90              | 8                           | 100            | 108            | \$59,775                         | Associate degree                  |
| 173023   | Electrical & Electronic Engineering Technicians   | 3,882            | -87                 | -2.24             | 0                           | 95             | 95             | \$65,147                         | Associate degree                  |
| 172072   | Electronics Engineers, exc. Computer              | 3,751            | 39                  | 1.04              | 4                           | 83             | 87             | \$97,765                         | Bachelor's degree                 |
| 172061   | Computer Hardware Engineers                       | 2,067            | 352                 | 17.03             | 35                          | 42             | 77             | \$89,419                         | Bachelor's degree                 |
| 173022   | Civil Engineering Technicians                     | 2,515            | 88                  | 3.50              | 9                           | 62             | 71             | \$55,036                         | Associate degree                  |
| 172081   | Environmental Engineers                           | 1,391            | 217                 | 15.60             | 22                          | 39             | 61             | \$84,606                         | Bachelor's degree                 |
| 173027   | Mechanical Engineering Technicians                | 1,963            | 17                  | 0.87              | 2                           | 48             | 50             | \$52,799                         | Associate degree                  |
| 172041   | Chemical Engineers                                | 1,327            | 70                  | 5.28              | 7                           | 36             | 43             | \$92,027                         | Bachelor's degree                 |
| 173026   | Industrial Engineering Technicians                | 1,569            | -11                 | -0.70             | 0                           | 38             | 38             | \$52,575                         | Associate degree                  |
| 173011   | Architectural & Civil Drafters                    | 2,952            | -122                | -4.13             | 0                           | 35             | 35             | \$47,317                         | Postsecondary vocational award    |
| 251021   | Computer Science Faculty                          | 1,594            | 52                  | 3.26              | 5                           | 28             | 33             | \$86,679                         | Doctoral degree                   |
| 151111   | Computer & Information Research Scientists        | 1,148            | 170                 | 14.81             | 17                          | 15             | 32             | \$99,265                         | Doctoral degree                   |
| 172111   | Health & Safety Engineers, exc. Mining            | 866              | 40                  | 4.62              | 4                           | 25             | 29             | \$83,610                         | Bachelor's degree                 |
| 172161   | Nuclear Engineers                                 | 934              | 42                  | 4.50              | 4                           | 25             | 29             | \$115,679                        | Bachelor's degree                 |
| 173013   | Mechanical Drafters                               | 2,430            | -173                | -7.12             | 0                           | 29             | 29             | \$52,192                         | Postsecondary vocational award    |
| 172131   | Materials Engineers                               | 685              | 8                   | 1.17              | 1                           | 24             | 25             | \$96,292                         | Bachelor's degree                 |
| 172011   | Aerospace Engineers                               | 657              | 36                  | 5.48              | 4                           | 19             | 23             | \$101,479                        | Bachelor's degree                 |
| 251032   | Engineering Faculty                               | 839              | 61                  | 7.27              | 6                           | 15             | 21             | \$92,967                         | Doctoral degree                   |
| 173025   | Environmental Engineering Technicians             | 657              | 34                  | 5.18              | 3                           | 16             | 19             | \$40,336                         | Associate degree                  |
| 173024   | Electro-Mechanical Technicians                    | 691              | -1                  | -0.14             | 0                           | 17             | 17             | \$49,487                         | Associate degree                  |
| 172031   | Biomedical Engineers                              | 310              | 80                  | 25.81             | 8                           | 8              | 16             | \$83,714                         | Bachelor's degree                 |
| 173031   | Surveying & Mapping Technicians                   | 1,350            | -109                | -8.07             | 0                           | 15             | 15             | \$50,150                         | Moderate-term on-the-job training |
| 172151   | Mining & Geological Engineers                     | 295              | 41                  | 13.90             | 4                           | 8              | 12             | N/A                              | Bachelor's degree                 |
| 173012   | Electrical & Electronics Drafters                 | 644              | 25                  | 3.88              | 2                           | 8              | 10             | \$68,076                         | Postsecondary vocational award    |
| 172021   | Agricultural Engineers                            | 103              | 3                   | 2.91              | 0                           | 2              | 2              | \$70,189                         | Bachelor's degree                 |
| 172121   | Marine Engineers & Naval Architects               | *                | *                   | *                 | *                           | *              | *              | N/A                              | Bachelor's degree                 |
| 172171   | Petroleum Engineers                               | *                | *                   | *                 | *                           | *              | *              | N/A                              | Bachelor's degree                 |
| 173019   | Drafters, All Other                               | *                | *                   | *                 | *                           | *              | *              | \$58,779                         | Postsecondary vocational award    |
| 173021   | Aerospace Engineers & Operations Technicians      | *                | *                   | *                 | *                           | *              | *              | \$53,785                         | Associate degree                  |
| <b>Mathematics</b>                                       |   |                  |                     |                   |                             |                |                |                                  |                                   |
| 152031   | Operations Research Analysts                      | 3,831            | 1,271               | 33.18             | 127                         | 68             | 195            | \$81,281                         | Master's degree                   |
| 251022   | Mathematical Science Faculty                      | 2,223            | 220                 | 9.90              | 22                          | 39             | 61             | \$71,324                         | Doctoral degree                   |
| 152011   | Actuaries   | 1,218            | 197                 | 16.17             | 20                          | 36             | 56             | \$84,835                         | Bachelor's degree, plus work exp. |
| 152041   | Statisticians                                     | 561              | 102                 | 18.18             | 10                          | 10             | 20             | \$76,924                         | Master's degree                   |
| 152021   | Mathematicians                                    | 333              | 35                  | 10.51             | 4                           | 6              | 10             | N/A                              | Doctoral degree                   |
| <b>Natural Science</b>                                   |   |                  |                     |                   |                             |                |                |                                  |                                   |
| 194099   | Life, Physical & Social Science Technicians, AO   | 2,425            | 196                 | 8.08              | 20                          | 102            | 122            | \$49,969                         | Associate degree                  |
| 192041   | Environmental Scientists & Specialists            | 1,959            | 273                 | 13.94             | 27                          | 60             | 87             | \$83,719                         | Master's degree                   |
| 191042   | Medical Scientists                                | 2,058            | 93                  | 4.52              | 9                           | 64             | 73             | \$73,161                         | Doctoral degree                   |
| 192031   | Chemists  | 3,004            | 65                  | 2.16              | 6                           | 66             | 72             | \$74,993                         | Bachelor's degree                 |
| 194031   | Chemical Technicians                              | 2,202            | 19                  | 0.86              | 2                           | 66             | 68             | \$44,986                         | Associate degree                  |
| 194091   | Environmental Science & Protection Technicians    | 1,322            | 97                  | 7.34              | 10                          | 55             | 65             | \$36,308                         | Associate degree                  |
| 251042   | Biological Science Faculty                        | 2,042            | 196                 | 9.60              | 20                          | 36             | 56             | \$78,506                         | Doctoral degree                   |
| 194021   | Biological Technicians                            | 1,465            | 66                  | 4.51              | 7                           | 41             | 48             | \$41,902                         | Associate degree                  |
| 119121   | Natural Sciences Managers                         | 1,402            | 117                 | 8.35              | 12                          | 29             | 41             | \$115,009                        | Bachelor's degree                 |
| 192012   | Physicists  | 1,127            | 121                 | 10.74             | 12                          | 21             | 33             | \$115,567                        | Doctoral degree                   |
| 194011   | Agricultural & Food Science Technicians           | 820              | 56                  | 6.83              | 6                           | 27             | 33             | \$39,108                         | Associate degree                  |
| 194092   | Forensic Science Technicians                      | 522              | 111                 | 21.26             | 11                          | 22             | 33             | \$65,944                         | Associate degree                  |
| 191013   | Soil & Plant Scientists                           | 675              | 92                  | 13.63             | 9                           | 23             | 32             | \$61,483                         | Bachelor's degree                 |
| 251052   | Chemistry Faculty                                 | 914              | 86                  | 9.41              | 9                           | 16             | 25             | \$81,712                         | Doctoral degree                   |
| 191012   | Food Scientists & Technologists                   | 593              | 28                  | 4.72              | 3                           | 21             | 24             | \$67,315                         | Bachelor's degree                 |
| 191031   | Conservation Scientists                           | 432              | 37                  | 8.56              | 4                           | 19             | 23             | \$84,609                         | Bachelor's degree                 |
| 192099   | Physical Scientists, All Other                    | 1,401            | 71                  | 5.07              | 7                           | 14             | 21             | \$93,208                         | Bachelor's degree                 |
| 194093   | Forest & Conservation Technicians                 | 469              | 9                   | 1.92              | 1                           | 20             | 21             | \$39,027                         | Associate degree                  |
| 192021   | Atmospheric & Space Scientists                    | 552              | 95                  | 17.21             | 10                          | 10             | 20             | \$97,039                         | Bachelor's degree                 |
| 192042   | Geoscientists                                     | 429              | 69                  | 16.08             | 7                           | 13             | 20             | \$91,251                         | Master's degree                   |
| 191029   | Biological Scientists, All Other                  | 557              | 23                  | 4.13              | 2                           | 15             | 17             | \$64,429                         | Bachelor's degree                 |
| 251054   | Physics Faculty                                   | 538              | 50                  | 9.29              | 5                           | 10             | 15             | \$82,309                         | Doctoral degree                   |
| 191022   | Microbiologists                                   | 293              | 24                  | 8.19              | 2                           | 8              | 10             | \$84,956                         | Doctoral degree                   |
| 191099   | Life Scientists, All Other                        | 267              | 18                  | 6.74              | 2                           | 8              | 10             | N/A                              | Bachelor's degree                 |
| 192032   | Materials Scientists                              | 373              | -6                  | -1.61             | 0                           | 8              | 8              | \$99,382                         | Bachelor's degree                 |

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|--|---|--------------|--------------------------------|---------|---------------------------------------|-----------|----------------------------------|---------------------------------|
| Code                                       | Title                                       |              | Number                         | Percent | Growth                                | Replcmnts |                                  |                                 |
| 194051                                     | Nuclear Technicians                         | 179          | 1                              | 0.56    | 0                                     | 8         | 8                                | \$71,791 Associate degree       |
| 251051                                     | Atmospheric, Earth & Space Sciences Faculty | 326          | 10                             | 3.07    | 1                                     | 6         | 7                                | \$62,379 Doctoral degree        |
| 194041                                     | Geological & Petroleum Technicians          | 123          | 23                             | 18.70   | 2                                     | 4         | 6                                | \$58,950 Associate degree       |
| 191023                                     | Zoologists & Wildlife Biologists            | 167          | 12                             | 7.19    | 1                                     | 4         | 5                                | \$56,360 Bachelor's degree      |
| 191032                                     | Foresters                                   | 110          | 5                              | 4.55    | 0                                     | 5         | 5                                | \$69,199 Bachelor's degree      |
| 191041                                     | Epidemiologists                             | 122          | 4                              | 3.28    | 0                                     | 4         | 4                                | \$61,835 Master's degree        |
| 251053                                     | Environmental Science Faculty               | 179          | 6                              | 3.35    | 1                                     | 3         | 4                                | \$85,683 Doctoral degree        |
| 251041                                     | Agricultural Sciences Faculty               | 153          | 3                              | 1.96    | 0                                     | 3         | 3                                | \$76,223 Doctoral degree        |
| 191011                                     | Animal Scientists                           | *            | *                              | *       | *                                     | *         | *                                | \$115,009 Bachelor's degree     |
| 191021                                     | Biochemists & Biophysicists                 | *            | *                              | *       | *                                     | *         | *                                | \$64,228 Doctoral degree        |
| 192011                                     | Astronomers                                 | *            | *                              | *       | *                                     | *         | *                                | N/A Doctoral degree             |
| 192043                                     | Hydrologists                                | *            | *                              | *       | *                                     | *         | *                                | \$72,400 Master's degree        |
| 251043                                     | Forestry & Conservation Sciences Faculty    | *            | *                              | *       | *                                     | *         | *                                | \$61,330 Doctoral degree        |
| <b>Social Science</b>                      |   |              |                                |         |                                       |           |                                  |                                 |
| 131161                                     | Market Research Analysts & Specialists      | 17,183       | 3,095                          | 18.01   | 310                                   | 205       | 515                              | \$57,179 Bachelor's degree      |
| 152041                                     | Statisticians                               | 561          | 102                            | 18.18   | 10                                    | 10        | 20                               | \$76,924 Master's degree        |
| 194061                                     | Social Science Research Assistants          | 365          | 10                             | 2.74    | 1                                     | 15        | 16                               | \$40,524 Associate degree       |
| 193011                                     | Economists                                  | 409          | 35                             | 8.56    | 4                                     | 11        | 15                               | \$94,880 Master's degree        |
| 193022                                     | Survey Researchers                          | 694          | 73                             | 10.52   | 7                                     | 8         | 15                               | \$51,876 Bachelor's degree      |
| 193051                                     | Urban & Regional Planners                   | 692          | 10                             | 1.45    | 1                                     | 13        | 14                               | \$81,513 Master's degree        |
| 193099                                     | Social Scientists & Related Workers, AO     | 483          | -2                             | -0.41   | 0                                     | 6         | 6                                | N/A Master's degree             |
| 193091                                     | Anthropologists & Archeologists             | 71           | 3                              | 4.23    | 0                                     | 1         | 1                                | \$58,318 Master's degree        |
| 193092                                     | Geographers                                 | 54           | 0                              | 0.00    | 0                                     | 1         | 1                                | \$74,849 Master's degree        |
| 193093                                     | Historians                                  | 73           | 3                              | 4.11    | 0                                     | 1         | 1                                | \$69,031 Master's degree        |
| 193032                                     | Industrial & Organizational Psychologists   | *            | *                              | *       | *                                     | *         | *                                | N/A Master's degree             |
| 193041                                     | Sociologists                                | *            | *                              | *       | *                                     | *         | *                                | \$77,782 Master's degree        |
| 193094                                     | Political Scientists                        | *            | *                              | *       | *                                     | *         | *                                | \$66,180 Master's degree        |

Source: IL Dept. of Employment Security, Economic Information & Analysis Division