

TABLE 3: DISTRICT OF COLUMBIA STEM Occupational Projections by Worker Characteristics, 2016 and projected 2026\*

| Education, work experience, and on-the-job training            | Employment Projections |                 |               |              |                             |             | Annual Total  |                  |
|--|------------------------|-----------------|---------------|--------------|-----------------------------|-------------|---------------|------------------|
|  | Employment             |                 | Percent share |              | Employment Change 2016-2026 |             | Job Openings  | Median           |
|  | 2016                   | 2026            | 2016          | 2026         | Numeric                     | Percent     | 2016-2026     | Annual Wage**    |
|  |                        |                 |               |              |                             |             |               |                  |
| <b>Total, All Occupations</b>                                  | <b>789,314</b>         | <b>849,587</b>  | <b>100.0</b>  | <b>100.0</b> | <b>60,273</b>               | <b>7.6</b>  | <b>84,886</b> | <b>\$67,870</b>  |
| <b>Total STEM Occupations</b>                                  | <b>76,474</b>          | <b>84,648</b>   | <b>100.0</b>  | <b>100.0</b> | <b>8,174</b>                | <b>10.7</b> | <b>6,362</b>  | <b>\$101,360</b> |
| <b>Typical education needed for entry</b>                      |                        |                 |               |              |                             |             |               |                  |
| <b>Postsecondary education</b>                                 |                        |                 |               |              |                             |             |               |                  |
| Associate's degree   | 4,379                  | 4,820           | 5.7           | 5.7          | 441                         | 10.1        | 407           | \$77,485         |
| Bachelor's degree  | 62,033                 | 68,099          | 81.1          | 80.4         | 6,066                       | 9.8         | 4,987         | \$107,690        |
| Master's degree  | 2,625                  | 3,312           | 3.4           | 3.9          | 687                         | 26.2        | 278           | \$112,230        |
| PhD or Professional degree                                     | 2,756                  | 3,070           | 3.6           | 3.6          | 314                         | 11.4        | 259           | \$86,210         |
| Postsecondary non-degree                                       | N/A                    | N/A             | N/A           | N/A          | N/A                         | N/A         | N/A           | N/A              |
| Some college, no degree  | 4,679                  | 5,345           | 6.1           | 6.3          | 666                         | 14.2        | 427           | \$60,480         |
| <b>No Postsecondary education</b>                              |                        |                 |               |              |                             |             |               |                  |
| High School or Equivalent                                      | N/A                    | N/A             | N/A           | N/A          | N/A                         | N/A         | N/A           | N/A              |
| No formal educational credential                               | N/A                    | N/A             | N/A           | N/A          | N/A                         | N/A         | N/A           | N/A              |
| <b>Total, typical education needed for entry</b>               | <b>\$76,472</b>        | <b>\$84,646</b> | <b>\$100</b>  | <b>100.0</b> | <b>\$8,174</b>              | <b>10.7</b> | <b>6,362</b>  | <b>\$101,360</b> |
| <b>Work experience in a related occupation</b>                 |                        |                 |               |              |                             |             |               |                  |
| 5 years or more  | 9,120                  | 9,738           | 11.9          | 11.5         | 618                         | 6.8         | 732           | \$134,810        |
| Less than 5 years  | 888                    | 1,198           | 1.2           | 1.4          | 310                         | 34.9        | 101           | \$119,560        |
| None   | 66,466                 | 73,712          | 86.9          | 87.1         | 7,246                       | 10.9        | 5,529         | \$93,340         |
| <b>Total, work experience in a related occupation</b>          | <b>76,474</b>          | <b>84,648</b>   | <b>100.0</b>  | <b>100.0</b> | <b>8,174</b>                | <b>10.7</b> | <b>6,362</b>  | <b>\$101,360</b> |
| <b>Typical on-the-job training needed to attain competency</b> |                        |                 |               |              |                             |             |               |                  |
| Internship/residency   | 2,226                  | 2,268           | 2.9           | 2.7          | 42                          | 1.9         | 161           | \$85,395         |
| Apprenticeship   | N/A                    | N/A             | N/A           | N/A          | N/A                         | N/A         | N/A           | N/A              |
| Long-term on-the-job training                                  | 249                    | 261             | 0.3           | 0.3          | 12                          | 4.8         | 16            | \$119,780        |
| Moderate-term on-the-job training                              | 1,075                  | 1,188           | 1.4           | 1.4          | 113                         | 10.5        | 126           | \$75,490         |
| Short-term on-the-job training                                 | N/A                    | N/A             | N/A           | N/A          | N/A                         | N/A         | N/A           | N/A              |
| None   | 75,399                 | 83,460          | 98.6          | 98.6         | 8,061                       | 113         | 6,236         | \$92,965         |
| <b>Total, training needed to attain competency</b>             | <b>76,474</b>          | <b>84,648</b>   | <b>100.0</b>  | <b>100.0</b> | <b>8,174</b>                | <b>10.7</b> | <b>6,362</b>  | <b>\$101,360</b> |

Notes: \*District of Columbia Long-Term Occupational Projections, 2016 - 2026

\*\*Bureau of Labor Statistics, Occupational Employment Statistics (OES), May 2016 survey

N/A - Not Available

Source: Department of Employment Services, Office of Economic Research, Performance & Data Analytics