

**TABLE 3: DISTRICT OF COLUMBIA Science, technology, Engineering, and Mathematics (STEM) Occupational Projections by Worker Characteristics, 2018 and projected 2028<sup>1</sup>**

Education, work experience, and on-the-job training	Employment Projections						Annual Total	
	Employment		Percent share		Employment Change 2018-2028		Job Openings	Median
	2018	2028	2018	2028	Numeric	Percent	2018-2028	Annual Wage <sup>2</sup>
<b>Total, All Occupations</b>	<b>812,820</b>	<b>885,414</b>	<b>100.0</b>	<b>100.0</b>	<b>72,594</b>	<b>7.6</b>	<b>93,540</b>	<b>\$74,867</b>
<b>Total STEM Occupations<sup>3</sup></b>	<b>140,311</b>	<b>156,281</b>	<b>17.3</b>	<b>17.7</b>	<b>15,970</b>	<b>11.4</b>	<b>12,607</b>	<b>\$97,689</b>
<b>Typical education needed for entry</b>								
<b>Postsecondary education</b>								
Associate's degree	6,981	7,640	5.0	4.9	659	9.4	661	\$79,743
Bachelor's degree	87,590	97,747	62.4	62.5	10,157	11.6	7,968	\$109,278
Master's degree	19,503	21,694	13.9	13.9	2,191	11.2	1,876	\$85,753
Doctoral or Professional degree	15,091	16,584	10.8	10.6	1,493	9.9	1,042	\$101,296
Postsecondary non-degree	5,461	5,948	3.9	3.8	487	8.9	460	\$54,873
Some college, no degree	4,343	5,133	3.1	3.3	790	18.2	467	\$68,730
<b>No Postsecondary education</b>								
High School or Equivalent	1,342	1,535	1.0	1.0	193	14.4	133	\$48,256
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>140,311</b>	<b>156,281</b>	<b>100.0</b>	<b>100.0</b>	<b>15,970</b>	<b>11.4</b>	<b>12,607</b>	<b>\$97,362</b>
<b>Work experience in a related occupation</b>								
5 years or more	9,038	9,697	6.4	6.2	659	7.3	790	\$134,810
Less than 5 years	5,538	6,955	3.9	4.5	1,417	25.6	625	\$119,560
None	125,735	139,629	89.6	89.3	13,894	11.1	11,192	\$93,340
<b>Total, work experience in a related occupation</b>	<b>140,311</b>	<b>156,281</b>	<b>100.0</b>	<b>100.0</b>	<b>15,970</b>	<b>11.4</b>	<b>12,607</b>	<b>\$97,362</b>
<b>Typical on-the-job training needed to attain competency</b>								
Internship/residency	9,618	10,496	6.9	6.7	878	9.1	569	\$98,479
Long-term on-the-job training	499	560	0.4	0.4	61	12.2	43	\$87,841
Moderate-term on-the-job training	2,343	2,735	1.7	1.8	392	16.7	282	\$56,344
Short-term on-the-job training	516	554	0.4	0.4	38	7.4	48	\$54,902
None	127,335	141,936	90.8	90.8	14,601	11.5	11,665	\$130,338
<b>Total, training needed to attain competency</b>	<b>140,311</b>	<b>156,281</b>	<b>100.0</b>	<b>100.0</b>	<b>15,970</b>	<b>11.4</b>	<b>12,607</b>	<b>\$97,362</b>

<sup>1</sup>District of Columbia Long-Term Industry and Occupational Projections, 2018 - 2028

<sup>2</sup>Bureau of Labor Statistics, Occupational Employment Statistics (OES), May 2018 OES survey

<sup>3</sup>STEM occupations compiled from O\*NET online: <https://www.onetonline.org>

N/A - not available

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