

TABLE 4: WASHINGTON-ARLINGTON-ALEXANDRIA DC-VA-MD-WV METROPOLITAN STATISTICAL AREA Science, technology, Engineering, and Mathematics (STEM) Occupational Projections by Worker Characteristics, 2018 and projected 2028¹

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 ²
Total, All Occupations	3,485,960	3,779,411	100.0	100.0	293,451	8.4	400,192	\$52,270
Total STEM Occupations³	583,494	656,320	16.7	17.4	72,826	12.5	52,283	\$91,050
Typical education needed for entry								
Postsecondary education								
Associate's degree	56,350	62,486	9.7	9.5	6,136	10.9	5,807	\$62,505
Bachelor's degree	373,473	421,631	64.0	64.2	48,158	12.9	33,870	\$102,480
Master's degree	31,795	36,551	5.4	5.6	4,756	15.0	2,856	\$105,040
Doctoral or Professional degree	56,390	61,805	9.7	9.4	5,415	9.6	3,498	\$91,050
Postsecondary non-degree	31,853	35,123	5.5	5.4	3,270	10.3	2,730	\$48,785
Some college, no degree	22,850	26,899	3.9	4.1	4,049	17.7	2,444	\$60,640
No Postsecondary education								
High School or Equivalent	10,783	11,825	1.8	2.0	1,042	9.7	1,078	\$48,360
No formal educational credential	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total, typical education needed for entry	583,494	656,320	100.0	100.0	72,826	12.5	52,283	\$91,050
Work experience in a related occupation								
5 years or more	31,497	35,691	5.4	5.4	4,194	13.3	2,993	\$145,790
Less than 5 years	21,771	26,541	3.7	4.0	4,770	21.9	2,324	\$95,485
None	530,226	594,088	90.9	90.5	63,862	12.0	46,966	\$90,155
Total, work experience in a related occupation	583,494	656,320	100.0	100.0	72,826	12.5	52,283	\$91,050
Typical on-the-job training needed to attain competency								
Internship/residency	37,602	41,098	6.4	6.3	3,496	9.3	2,287	\$117,210
Long-term on-the-job training	2,427	2,765	0.4	0.4	338	13.9	230	\$76,185
Moderate-term on-the-job training	24,749	27,062	4.2	4.1	2,313	9.3	2,812	\$50,230
Short-term on-the-job training	1,346	1,550	0.2	0.2	204	15.2	137	\$36,050
None	517,370	583,845	88.7	89.0	66,475	12.8	46,817	\$91,940
Total, training needed to attain competency	583,494	656,320	100.0	100.0	72,826	12.5	52,283	\$91,050

¹Washington-Arlington-Alexandria DC-VA-MD-WV Metropolitan Statistical Area Occupational Projections, 2018 - 2028

²Bureau of Labor Statistics, Occupational Employment Statistics (OES), May 2018 OES survey

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

*Suppressed

DCMSA STEM projections compiled by Dr. John N. Kangethe, Department of Employment Services, Office of Economic Research, Performance & Data Analytics