STEM ECONOMIC ACTIVITY BY STATE

February 2021

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P3 | PRODUCTIVITY AND PROSPERITY PROJECT

ASU W. P. CAREY SCHOOL of BUSINESS
ARIZONA STATE UNIVERSITY

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A Report from the Productivity and Prosperity Project (P3), Supported by the Office of the University Economist

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SUMMARY

Science, technology, engineering, and math (STEM) occupations — 81 in number — make up 10.7 percent of all occupations but accounted for only 5.51 percent of all employment in the United States in 2019. However, for aggregate earnings (calculated by multiplying the number of workers by earnings per job), the STEM share was 10.18 percent. The higher STEM share of aggregate earnings than employment results from the median earnings per job of STEM occupations being 1.94 times as high as the median of non-STEM occupations.

Economic activity is closely tied to individual labor market areas, which correspond to official definitions of metropolitan and micropolitan areas. The 384 metropolitan areas vary widely in size, with employment in 2019 ranging from 28,500 in the smallest metro area to 10.2 million in the largest. Half of the metro areas had employment of less than 125,000 in 2019.

Prior research revealed that even after adjusting for the cost of living, various economic measures, such as per capita income, are positively correlated to metro size, as measured by population or employment. Similarly, the STEM shares of total aggregate earnings and of total employment are correlated to metro size, with metro size measured by employment or aggregate earnings. Due to the relationship between metro area size and STEM intensity, instead of comparing each metro area to the average of the 384 metro areas, each metro area is compared to its size class average.

Assuming that adequate data are available, metropolitan areas are the preferred level of geography for most economic analyses. However, most economic analyses are conducted at the state level, due to some combination of superior data, acknowledgement of state-level economic programs and organizations, or ease of analysis.

While the focus of this paper is states, the relationship between metro area size and STEM intensity cannot be ignored since states vary substantially in the presence of metro areas of various sizes. Actual STEM activity by state is compared to “expected” activity, which is calculated as if each metro area in a state had a STEM share equal to its size class average and if the nonmetro area of each state had a share equal to the U.S. nonmetro area.

Actual Versus Expected STEM Shares by State

In Table S-1, the actual STEM employment share and the difference between the actual and expected employment share is shown for each state for 2019 and for the change in STEM share between 2005 and 2019. The actual share in 2019 was greater than the expected share in 29 states, including eight of the top 10 states based on the actual 2019 share. Colorado, the District of Columbia, Maryland, Massachusetts, Utah, Virginia, and Washington each had an actual share substantially greater than expected. In contrast, California’s high actual share in 2019 was only slightly greater than expected, given its large number of very populous metro areas. States not highly ranked based on the actual 2019 share whose actual value substantially exceeded the expected value include Alaska, Idaho, Montana, New Mexico, and Vermont. In contrast, in some states, the actual share was considerably less than expected, including Florida, Hawaii, Louisiana, Mississippi, Nevada, New York, and Tennessee.

TABLE S-1
STEM OCCUPATIONAL EMPLOYMENT RANKS AND SHARES BY STATE, ACTUAL AND EXPECTED

RANKED BY THE ACTUAL STEM SHARE OF EMPLOYMENT IN 2019

	Actual				Actual Minus Expected			
	2019		2005 to 2019		2019		2005 to 2019	
District of Columbia	1	9.01%	28	0.66	1	2.57	36	-0.22
Maryland	2	8.47	5	1.20	4	2.15	12	0.22
Washington	3	8.00	1	1.60	2	2.46	1	0.82
Virginia	4	7.93	4	1.21	3	2.41	10	0.33
Massachusetts	5	7.71	2	1.44	7	1.65	2	0.57
Colorado	6	7.46	10	1.06	5	2.10	11	0.31
California	7	6.48	12	0.98	24	0.32	19	0.08
Utah	8	6.46	9	1.08	6	1.68	3	0.55
Michigan	9	6.41	7	1.18	12	1.07	7	0.39
New Hampshire	10	6.39	3	1.23	8	1.64	6	0.46
Minnesota	11	6.00	15	0.93	21	0.49	21	0.08
Connecticut	12	5.95	30	0.59	17	0.59	30	-0.11
Delaware	13	5.91	51	-0.06	28	0.21	51	-0.80
New Jersey	14	5.89	37	0.48	38	-0.46	49	-0.50
Oregon	15	5.84	17	0.86	18	0.57	18	0.09
Arizona	16	5.62	20	0.81	36	-0.35	27	-0.08
Rhode Island	17	5.51	25	0.72	30	-0.03	25	-0.02
New Mexico	18	5.51	42	0.38	11	1.10	38	-0.24
Texas	19	5.49	24	0.73	35	-0.31	34	-0.20
Alaska	20	5.45	43	0.31	9	1.54	29	-0.11
North Carolina	21	5.44	6	1.19	23	0.39	8	0.35
Georgia	22	5.38	21	0.81	31	-0.14	28	-0.10
Ohio	23	5.21	11	1.03	34	-0.26	14	0.18
Pennsylvania	24	5.18	18	0.85	37	-0.37	26	-0.02
Wisconsin	25	5.17	8	1.14	16	0.59	4	0.52
Illinois	26	5.13	27	0.69	43	-0.77	37	-0.23

(continued)

TABLE S-1 (continued)
STEM OCCUPATIONAL EMPLOYMENT RANKS AND SHARES BY STATE, ACTUAL AND EXPECTED

RANKED BY THE ACTUAL STEM SHARE OF EMPLOYMENT IN 2019

	Actual				Actual Minus Expected			
	2019		2005 to 2019		2019		2005 to 2019	
Idaho	27	5.02	45	0.21	13	1.00	41	-0.35
Missouri	28	4.98	14	0.95	39	-0.48	17	0.11
Alabama	29	4.91	29	0.60	20	0.56	24	-0.01
Vermont	30	4.79	31	0.57	10	1.24	23	0.05
Nebraska	31	4.75	26	0.72	26	0.25	16	0.13
Kansas	32	4.75	34	0.51	29	0.07	33	-0.20
Iowa	33	4.57	13	0.96	15	0.64	5	0.47
New York	34	4.54	33	0.53	48	-1.39	44	-0.36
Indiana	35	4.46	19	0.83	40	-0.62	22	0.06
Oklahoma	36	4.40	36	0.49	33	-0.24	31	-0.12
South Carolina	37	4.39	16	0.89	41	-0.63	15	0.17
Montana	38	4.28	38	0.47	14	0.95	20	0.08
Maine	39	4.27	22	0.75	25	0.28	13	0.19
Florida	40	4.13	35	0.51	50	-1.74	43	-0.36
Tennessee	41	3.91	32	0.53	47	-1.29	40	-0.25
Hawaii	42	3.90	49	0.09	46	-0.93	48	-0.45
North Dakota	43	3.86	47	0.13	22	0.40	39	-0.25
Wyoming	44	3.77	50	0.07	19	0.57	42	-0.35
South Dakota	45	3.74	23	0.73	27	0.25	9	0.34
West Virginia	46	3.72	40	0.44	32	-0.20	35	-0.21
Kentucky	47	3.71	39	0.46	42	-0.74	32	-0.17
Arkansas	48	3.34	44	0.24	44	-0.78	46	-0.40
Louisiana	49	3.25	48	0.10	49	-1.46	50	-0.53
Nevada	50	3.25	41	0.41	51	-2.59	47	-0.41
Mississippi	51	2.99	46	0.14	45	-0.92	45	-0.38

Sources: Emsi (employment). Definition of STEM occupations produced by authors.

A summary by region of the difference between the actual and expected shares in 2019 follows:

- Pacific: Four of the five states had an actual value greater than expected, with Washington ranked first, and Alaska ninth, on the differential. Hawaii ranked 46th.
- Mountain: Six of the eight states had an actual value greater than expected, with Colorado, New Mexico, and Utah ranked among the top 11. The exceptions were Nevada, which ranked last on the differential, and Arizona, which ranked 36th.
- West North Central: Six of the seven states had an actual value greater than expected, though the differential was slight except in Iowa. Missouri was the exception.
- East North Central: Of the five states, only Michigan and Wisconsin had an actual value greater than expected. Illinois ranked in the bottom 10.
- New England: Of the six states, only Rhode Island did not have an actual value greater than expected. Massachusetts, New Hampshire, and Vermont ranked in the top 10.
- Middle Atlantic: Each of the three states had an actual value less than expected, with New York ranked 48th.
- South Atlantic: Five of the nine states had an actual value greater than expected, with the differential among the top four in the District of Columbia, Maryland, and Virginia. In contrast, Florida ranked second lowest.
- East South Central: Alabama had an actual value greater than expected, but the other three states — Kentucky, Mississippi, and Tennessee — ranked among the bottom 10.
- West South Central: Each of the four states had an actual value less than expected, with Arkansas and Louisiana ranking among the bottom 10.

The actual change in share between 2005 and 2019 was greater than expected in 23 states. Most of the highly ranked states based on the actual change had an actual change larger than expected. A summary by region of the difference between the actual and expected change in share follows:

- Pacific: Of the five states, the actual change exceeded the expected value in each of the mainland states, with Washington ranking first on the differential. Hawaii ranked 48th.
- Mountain: Only three of the eight states had an actual change greater than expected: Utah (ranked third), Colorado, and Montana. In contrast, Idaho, Nevada, and Wyoming ranked among the bottom 10.
- West North Central: Five of the seven states had an actual change greater than expected, with Iowa and South Dakota ranking in the top 10.
- East North Central: Of the five states, only Illinois had an actual change less than expected; Wisconsin and Michigan ranked in the top 10.
- New England: Four of the six states had an actual change greater than expected, with Massachusetts and New Hampshire ranking in the top 10.
- Middle Atlantic: Each of the three states had an actual change less than expected, with New Jersey and New York ranking in the bottom 10.
- South Atlantic: Four of the nine states had an actual change greater than expected: Maryland, North Carolina, South Carolina, and Virginia, with each ranking in the top 15. In contrast, Delaware and Florida ranked in the bottom 10.
- East South Central: None of the four states had an actual change greater than expected, with Mississippi ranking among the bottom 10.
- West South Central: Each of the four states had an actual change less than expected, with Arkansas and Louisiana ranking among the bottom 10.

INTRODUCTION

Economic activities closely associated with STEM — science, technology, engineering, and mathematics — are the focus of paper. STEM essentially is synonymous with "high technology." The latest data and the change over time are analyzed.

Conceptually, it is far superior to define STEM by occupation than by industry. Every worker classified into a STEM occupation, such as electronics engineers, is involved in STEM activities. In contrast, though a particular industry, such as semiconductor manufacturing, may be STEM intensive, a sizable proportion of its workforce do not work in STEM occupations, such as business support functions and production activities that may not require a substantive STEM education or knowledge base. On the other hand, industries that have little relationship to STEM, such as retail trade, have some employees working in STEM occupations, particularly those related to computers. Only occupational data are analyzed in this report.

Employment and Earnings Data

The data used to analyze STEM occupations were obtained from Emsi (www.economicmodeling.com), a private-sector company providing selected economic and related data for the nation, states, metropolitan areas, and counties. Access to the data is available only to subscribers, and limits are in place as to the amount of detail a subscriber can make public. Thus, data for specific occupations are not revealed in this paper.

Emsi updates its data estimates quarterly; the data used in this report come from Emsi's third quarter 2020 data release. Emsi uses a variety of sources, predominantly federal government agencies, to develop its industrial and occupational estimates. The advantage of using Emsi's data is that Emsi imputes values for the large volume of data that are withheld by the federal government. Federal laws intended to prevent the disclosure of information of a specific business or a specific individual result in a substantial amount of data being withheld from publication except for highly populous geographic areas.

Among the data available from Emsi are employment and median earnings per job by occupation. The occupational employment estimates are available annually for 2001 through 2019, but the earliest occupational earnings estimates are for 2005. In this paper, the 2005-to-2019 period is used to examine changes in STEM activity over time. Both 2005 and 2019 were during the expansionary phase of an economic cycle, though 2005 was in the middle of its expansion while 2019 came at the end of its expansion.

The primary source for the occupational data reported by Emsi is the Occupational Employment Statistics (OES) program of the U.S. Department of Labor's Bureau of Labor Statistics (BLS), which releases estimates annually. Data for May 2019 were released in March 2020. The OES data are subject to serious limitations. Since the data are derived from a survey of employers, sampling error is a concern. Further, the survey instructs employers to report the number of employees in each occupation by wage range rather than report actual wages. In addition, the survey is conducted over a three-year cycle — it takes three years of semiannual surveying for the full panel of respondents to be surveyed. Thus, most of the responses used to produce the May 2019 estimates were collected before 2019, though the wage data from the earlier periods were adjusted for inflation. Emsi must estimate employment and earnings for workers not

covered by the OES survey and for the substantial number of OES occupations for which employment and/or earnings data are withheld from publication.

The 2018 version of the Standard Occupational Classification (SOC) identifies 867 detailed occupations, each of which is assigned a six-digit number, such as 15-2041 (statisticians). The occupations are organized into 23 major groups. While Emsi's occupational data are based on the SOC, Emsi does not provide estimates for every SOC detailed occupation, combining some SOC occupations. Emsi releases estimates for 756 detailed occupations.

Employment and median earnings per job are reported by Emsi for each of four categories of workers. The sum of three of these categories are used for this STEM analysis: wage and salary employees who are covered by the unemployment insurance program; wage and salary workers who are not covered by unemployment insurance; and self-employed individuals whose self-employment constitutes a high proportion of their total earnings and working hours.

As in some federal government programs, Emsi does not allocate all economic activity to a specific county. Each state has a "county not reported" category.

Measurement of STEM Activity

Commonly, economic analyses focus on employment due to its simple concept and more ready availability. However, employment as reported in the United States has a serious shortcoming in that no measure of full-time equivalency is available: a part-time worker is counted the same as a full-time worker. In addition, earnings per job vary widely by occupation; thus, an indicator measured in dollars is more indicative of the economic impact of particular activities.

Aggregate earnings are estimated by multiplying employment by median earnings per job for each occupation. STEM totals are obtained by summing employment/aggregate earnings across the relevant occupations. While conceptually preferable to employment, the occupational aggregate earnings data are disadvantaged by the necessity of using median rather than average earnings per worker. Arithmetic operations using median values are limited. For example, using the median, the nonmetro portion of a state's aggregate earnings cannot be calculated as the state total minus the sum of the metro counties minus "county not reported." Thus, in this paper, both employment and aggregate earnings are used to measure STEM activities.

Two ways of measuring STEM activity are employed in this paper: (1) the total number of STEM workers and/or the total value of STEM aggregate earnings; and (2) STEM activity as a share of total employment and/or total aggregate earnings. The latter measure is emphasized.

The employment and aggregate earnings shares are very highly correlated in the states. The correlation between the STEM share of employment and the STEM share of aggregate earnings in 2019 is 0.955 and the correlation between the change in STEM share of employment and the change in STEM share of aggregate earnings between 2005 and 2019 is 0.938. The difference between the employment and aggregate earnings measures results from including earnings per job in the aggregate earnings calculation. Median earnings per job has a correlation of 0.484 with the aggregate earnings share and of 0.667 with the employment share.

Conceptually, median earnings can be split into two components: (1) the occupational mix among STEM occupations, and (2) other factors that cause earnings per job to vary across the 384 metro areas. The cost of living is one of these other factors.

To illustrate the importance of the occupational mix, consider the example of two states with identical earnings per job in each STEM occupation. The aggregate earnings share will be lower in the state with a higher proportion of jobs in lower-earnings occupations, such as technicians.

In order to measure variations in the STEM occupational mix across geographic areas, a measure of job quality — defined in terms of median earnings per job — within the STEM occupations was created by summing the following across the 81 STEM occupations:

(the difference in employment share from the national average) times (national median earnings as a ratio to the overall STEM median earnings less 1) times 100

The employment share is measured as the percentage of total STEM employment in each STEM occupation. The job quality measure by metro area is expressed relative to the national average. For example, a job quality value of 4.7 indicates that the STEM earnings per job figure is 4.7 percent higher than it would have been had the employment mix equaled the national average. Across the states, STEM median earnings per job in 2019 had a correlation of 0.74 with STEM job quality and 0.92 with other factors influencing the level of earnings per job.

Adjustment for Inflation and the Cost of Living

When the total value of STEM aggregate earnings is presented in this paper, the values are adjusted for the cost of living, which varies widely across the states. The cost-of-living adjustment uses the regional price parity (RPP) estimates produced by the U.S. Department of Commerce's Bureau of Economic Analysis (BEA). Estimates of the RPP are available by state and metropolitan area.

The RPP series is available only for 2008 through 2019. The relative cost of living changes only slowly over time, with the most significant changes occurring at turning points in the economic cycle. In the analysis for this paper, the 2008 RPP estimates were applied to the 2005 earnings data. While this introduces some error, it is more accurate to compare states based on imperfect cost-of-living estimates than to entirely ignore the large differences in the regional cost of living.

In order to compare the aggregate earnings figures for 2005 and 2019, inflation must be considered. The earnings data for 2005 were adjusted to 2019 dollars using the national gross domestic product implicit price deflator produced by the BEA.

Identification of STEM Occupations

Several efforts to identify STEM (or "high-technology") occupations have been made (see Appendix A for some of these sources). While the efforts have produced slightly different lists of occupations, the correspondence is strong across the sources. Based on the consensus of these efforts, the STEM occupational definition used in this report includes the following occupations:

- Three occupations in the "management" major group.
- All occupations in the "computer and mathematical" major group.

- The engineering portion of the "architecture and engineering" major group.
- The life and physical sciences portion of the "life, physical, and social science" major group.

A total of 81 STEM occupations have been selected. They have been grouped into six categories: computer, mathematical science (math), engineering, engineering technician, life and physical science (science), and science technician. See Appendix B for a list of the STEM occupations by category.

Across the states, a strong correlation (0.96) in the occupational STEM share of the total exists between the aggregate earnings and employment measures. The correlation between STEM employment share and STEM aggregate earnings share is similarly strong in each of the six occupational categories, ranging from 0.94 to 0.97.

A significant difference in size, as measured by employment or aggregate earnings, existed across the six occupational categories in 2019, with the computer category the largest by far, followed by engineering. The other four categories were considerably smaller than engineering. These size differences affect the correlations across the metro areas between the overall STEM share and the share of each category. The overall STEM share was highly correlated with the shares in the computer and math categories (correlations exceeding 0.75); correlations were moderate with the engineering and science categories (correlations between 0.45 and 0.65); and little correlation existed with the engineering technician and science technician categories. While an integral part of the occupational STEM definition, the technician occupations are distributed across the country in a different pattern than the other STEM occupations.

Based on the shares of total employment in 2019 in the states, the correlation between any two categories was by far the highest between the computer and math categories (0.85). Correlations were moderate between the engineering and engineering technician categories (0.49), the science and science technician categories (0.53), and the math and science categories (0.45). Correlations were weak between most of the other categories, including negative correlations between the computer and science technician and between the math and science technician categories. Thus, considerable differences exist across the states on the relative importance of each of the STEM categories.

Based on the change in shares between 2005 and 2019 of total employment in the states, the correlation between any two categories also was highest between the computer and math categories (0.66). Correlations were moderate between the engineering and engineering technician categories (0.54) and the science and science technician categories (0.57). Correlations were negative between the computer and engineering technician (-0.48) and between the math and engineering technician categories (-0.43). Other correlations between categories were weak. Thus, considerable differences exist across the states on the change in share of each of the STEM categories.

Geographic Areas

Economic activity is closely tied to individual labor market areas, which correspond to official definitions of metropolitan and micropolitan areas. The 384 metropolitan areas vary widely in

size, with employment in 2019 ranging from 28,500 in the smallest metro area to 10.2 million in the largest. Half of the metro areas had employment of less than 125,000 in 2019.

Prior research revealed that even after adjusting for the cost of living, various economic measures are positively correlated with metro size, as measured by population or employment.[1] Similarly, the STEM shares of total aggregate earnings and of total employment are correlated with metro size, with metro size measured by employment or aggregate earnings.

Assuming that adequate data are available, metropolitan areas are the preferred level of geography for most economic analyses. However, most economic analyses are conducted at the state level, due to some combination of superior data, acknowledgement of state-level economic programs and organizations, or ease of analysis. The analysis of data and reporting of results for 51 "states" (including the District of Columbia) is more manageable than for the nation's 384 metro areas.

Due to the relationship between metro area size and STEM intensity, instead of comparing each metro area to the average of the 384 metro areas, each metro area is compared to a size-class average. Any number of size classes could be devised. For this analysis of STEM economic activity, the nation's 384 metropolitan areas are grouped into six size classes by the number of workers in 2019. The selection of the size classes was based on a combination of natural breaks in the distribution of 2019 STEM activity as measured by STEM employment and aggregate earnings as a share of the total, and natural breaks in the distribution of 2019 employment, across the metro areas:

- 36 metro areas with employment of at least 1 million, accounting for 9.4 percent of the number of metro areas and 58.9 percent of metro area employment. In this paper, this group is referred to as either "the largest size class" or "SC1" (with "SC" the abbreviation for "size class").
- 45 metro areas with employment of between 350,000 and 999,999, accounting for 11.7 percent of metro areas and 16.4 percent of metro area employment. This is "SC2."
- 46 metro areas with employment of between 200,000 and 349,999, accounting for 12.0 percent of metro areas and 8.4 percent of metro area employment. This is "SC3."
- 62 metro areas with employment of between 125,000 and 199,999, accounting for 16.1 percent of metro areas and 6.8 percent of metro area employment. This is "SC4."
- 71 metro areas with employment of between 75,000 and 124,999, accounting for 18.5 percent of metro areas and 4.7 percent of metro area employment. This is "SC5."
- 124 metro areas with employment of less than 75,000, accounting for 32.3 percent of metro areas and 4.7 percent of metro area employment. This is "SC6" or "the smallest size class."

Based on employment, the STEM share in 2005 and in 2019 was calculated for nonmetropolitan areas. The nonmetropolitan area of each state was calculated as the state total minus the sum of the metropolitan counties in the state minus the "county not reported" category. Direct

[1] For example, see the May 2017 Office of the University Economist papers "The Geographic Distribution of Average Earnings Per Worker" and "Job Quality in the Metropolitan Areas of the United States," available from https://economist.asu.edu/P3/job-quality.

measurement of the nonmetro area of each state is impractical due to the large number (more than 2,000) of nonmetro counties/county equivalents in the United States.

While the focus of this paper is states, the relationship between metro-area size and economic activity cannot be ignored since states vary substantially in the presence of metro areas of various sizes. Actual STEM activity by state is compared to "expected" activity, which is calculated as if each metro area in a state had a STEM share equal to its size-class average, if the nonmetro area of each state had a share equal to the U.S. nonmetro area, and if the "county not reported" category had a share equal to its national average.[2]

[2] For those metro areas whose boundaries extend across more than one state, the STEM shares were calculated separately for the portion in each state.

STEM ECONOMIC ACTIVITY BY STATE

STEM occupations make up 10.7 percent of all occupations but accounted for only 5.51 percent of all employment in the United States in 2019. However, for aggregate earnings, the STEM share was 10.18 percent. The higher STEM share of aggregate earnings than employment results from the median earnings per job of STEM occupations being 1.94 times as high as the median of non-STEM occupations nationally.

In this section, STEM activity in the 50 states and the District of Columbia are analyzed. Because of the relationship between STEM intensity and metropolitan area size, each state is divided into its components: each metro area, the state's nonmetropolitan area, and "county not reported."

Actual STEM Share by Occupational Category

2019

In Table 1, an occupational STEM summary for 2019 using actual data is presented for all states, ranked by the highest STEM share of aggregate earnings in 2019. The STEM shares of aggregate earnings and employment are presented relative to the national figure. Relatively few states had a STEM share greater than the national figure.

Seventeen states exceeded the national average on the STEM share of occupational aggregate earnings in 2019 and 20 states at least equaled the national STEM share of occupational employment. Twenty-one states had a share equal to or greater than the national average on at least one of the employment and aggregate earnings measures, with 14 above average on both. These 21 states are not evenly distributed across the country. A summary by region as defined by the U.S. Census Bureau follows:

- Of the five Pacific states, California and Washington were above average on each measure and Oregon's employment share was above average.
- Of the eight Mountain states, Colorado and Utah were above average on each measure; New Mexico was above average on aggregate earnings and equal to the nation on employment; and Arizona's employment share was above average.
- Of the seven West North Central states, Minnesota was above average on each measure.
- Of the five East North Central states, Michigan was above average on each measure.
- Of the six New England states, Massachusetts and New Hampshire were above average on each measure; Connecticut was above average on the employment share; and Rhode Island's employment share was equal to the U.S. average.
- Of the three Middle Atlantic states, New Jersey was above average on each measure.
- Of the nine South Atlantic states, Delaware, the District of Columbia, Maryland, and Virginia were above average on each measure; the aggregate earnings share was above average in North Carolina and Georgia.
- None of the four East South Central states matched or exceeded the national average.
- Of the four West South Central states, the aggregate earnings share was above average in Texas.

In Table 2, ranks are provided by state based on the STEM share of total aggregate earnings in 2019 for each of the six STEM occupational categories. Some of the leading states on the overall STEM share of total aggregate earnings compare favorably in each of the four nontechnician

TABLE 1
STEM OCCUPATIONAL RANKS AND STATISTICS BY STATE RELATIVE TO THE NATIONAL AVERAGE, 2019

RANKED BY THE OVERALL STEM SHARE OF AGGREGATE EARNINGS

	STEM Share as a Difference From the National Average									
	Employment		Aggregate Earnings		STEM Median Earnings*		STEM Job Quality		STEM Median Earnings After Adjustment for Job Quality*	
Maryland	2	2.96	1	5.23	7	1.052	8	2.29	10	1.028
Washington	3	2.49	2	4.96	1	1.113	7	2.45	3	1.086
Virginia	4	2.42	3	4.76	3	1.089	6	2.72	5	1.060
Colorado	6	1.95	4	3.17	11	1.037	10	1.24	12	1.024
Massachusetts	5	2.20	5	2.55	18	0.996	5	2.76	30	0.970
District of Columbia	1	3.50	6	2.34	2	1.104	3	3.39	4	1.067
California	7	0.97	7	2.25	12	1.033	4	3.02	18	1.002
New Hampshire	10	0.88	8	1.54	25	0.964	9	1.52	35	0.949
Utah	8	0.95	9	1.12	42	0.906	29	-2.08	44	0.926
Michigan	9	0.90	10	1.06	20	0.989	13	0.33	22	0.986
New Mexico	18	0.00	11	0.86	5	1.064	32	-2.38	2	1.090
Delaware	13	0.40	12	0.69	6	1.052	14	-0.19	6	1.054
New Jersey	14	0.38	13	0.55	22	0.982	2	3.58	37	0.948
Texas	19	-0.02	14	0.47	9	1.040	20	-1.25	7	1.054
North Carolina	21	-0.07	15	0.24	8	1.041	17	-0.73	8	1.048
Georgia	22	-0.13	16	0.07	10	1.038	11	0.90	9	1.029
Minnesota	11	0.49	17	0.06	16	1.009	16	-0.53	13	1.015
Arizona	16	0.11	18	-0.10	23	0.968	24	-1.45	24	0.982
Connecticut	12	0.44	19	-0.27	15	1.009	1	4.15	32	0.969
Oregon	15	0.33	20	-0.29	38	0.916	28	-1.98	43	0.935
Alabama	29	-0.60	21	-0.38	4	1.088	15	-0.44	1	1.093
Rhode Island	17	0.00	22	-0.85	17	1.000	19	-1.21	15	1.012
Idaho	27	-0.48	23	-0.93	33	0.926	36	-3.14	33	0.956
Ohio	23	-0.30	24	-1.02	14	1.013	22	-1.32	11	1.027
Pennsylvania	24	-0.33	25	-1.03	24	0.965	18	-1.12	25	0.976
Illinois	26	-0.38	26	-1.11	13	1.019	12	0.76	16	1.011

(continued)

TABLE 1 (continued)
STEM OCCUPATIONAL RANKS AND STATISTICS BY STATE RELATIVE TO THE NATIONAL AVERAGE, 2019

RANKED BY THE OVERALL STEM SHARE OF AGGREGATE EARNINGS

	STEM Share as a Difference From the National Average				STEM Median Earnings*		STEM Job Quality		STEM Median Earnings After Adjustment for Job Quality*	
	Employment		Aggregate Earnings							
Missouri	28	-0.53	27	-1.28	21	0.985	25	-1.64	19	1.001
Alaska	20	-0.06	28	-1.61	34	0.925	43	-5.19	26	0.976
Wisconsin	25	-0.34	29	-1.61	36	0.920	31	-2.24	42	0.942
Kansas	32	-0.76	30	-1.82	27	0.951	26	-1.85	31	0.969
South Carolina	37	-1.12	31	-1.96	30	0.939	39	-3.60	28	0.974
Oklahoma	36	-1.11	32	-2.00	19	0.991	30	-2.13	14	1.013
Nebraska	31	-0.76	33	-2.05	28	0.950	33	-2.63	27	0.975
Iowa	33	-0.94	34	-2.17	26	0.963	35	-2.98	20	0.993
Vermont	30	-0.72	35	-2.35	49	0.832	40	-3.63	50	0.864
Indiana	35	-1.05	36	-2.48	32	0.933	23	-1.35	38	0.946
Florida	40	-1.38	37	-2.70	46	0.862	27	-1.95	49	0.879
New York	34	-0.97	38	-2.71	41	0.908	21	-1.26	45	0.920
Maine	39	-1.24	39	-2.82	45	0.875	37	-3.51	47	0.907
Montana	38	-1.23	40	-3.34	50	0.801	51	-10.42	48	0.894
Tennessee	41	-1.60	41	-3.35	39	0.916	38	-3.52	36	0.949
West Virginia	46	-1.79	42	-3.52	35	0.923	45	-6.21	23	0.984
Kentucky	47	-1.80	43	-3.70	40	0.911	42	-4.66	34	0.956
Hawaii	42	-1.61	44	-4.10	51	0.759	41	-3.93	51	0.790
South Dakota	45	-1.77	45	-4.16	48	0.838	48	-8.28	46	0.914
Arkansas	48	-2.17	46	-4.24	37	0.917	34	-2.87	41	0.945
Louisiana	49	-2.26	47	-4.28	29	0.940	47	-6.83	17	1.009
Wyoming	44	-1.74	48	-4.37	47	0.860	50	-9.06	39	0.945
North Dakota	43	-1.65	49	-4.39	43	0.886	49	-9.02	29	0.973
Mississippi	51	-2.52	50	-4.49	31	0.934	44	-5.52	21	0.988
Nevada	50	-2.26	51	-4.53	44	0.881	46	-6.79	40	0.945

* Adjusted for the cost of living, expressed as a ratio to the national average.

Sources: Emsi (employment and earnings) and U.S. Department of Commerce, Bureau of Economic Analysis (regional price parity). Definition of STEM occupations produced by authors.

TABLE 2
STEM OCCUPATIONAL RANKS AND SHARES BY CATEGORY BY STATE, 2019

RANKED BY THE OVERALL STEM SHARE OF AGGREGATE EARNINGS

	Occupational STEM Share of Total Aggregate Earnings, Rank							Occupational STEM Share of Total Aggregate Earnings, Difference From National Average						
	Total	Comp-uter	Math	Engin-eering	Eng Tech	Sci-ence	Sci Tech	Total	Comp -uter	Math	Engin-eering	Eng Tech	Sci-ence	Sci Tech
MD	1	3	1	5	16	1	12	5.23	2.79	0.35	0.77	0.08	1.18	0.05
WA	2	2	10	12	19	12	22	4.96	4.14	0.04	0.50	0.07	0.20	0.01
VA	3	1	2	17	14	21	47	4.76	4.32	0.30	0.17	0.10	-0.08	-0.04
CO	4	5	30	7	24	11	17	3.17	2.29	-0.07	0.69	0.02	0.20	0.03
MA	5	7	6	16	38	3	15	2.55	1.24	0.10	0.29	-0.05	0.94	0.04
DC	6	4	3	37	50	7	51	2.34	2.32	0.28	-0.57	-0.22	0.64	-0.12
CA	7	6	21	13	25	10	25	2.25	1.58	-0.03	0.47	0.02	0.21	0.00
NH	8	9	17	8	9	32	42	1.54	0.97	0.00	0.64	0.15	-0.19	-0.03
UT	9	8	15	22	5	23	14	1.12	1.04	0.00	-0.07	0.19	-0.09	0.04
MI	10	29	31	1	18	35	36	1.06	-1.45	-0.07	2.73	0.07	-0.20	-0.02
NM	11	39	37	2	1	2	7	0.86	-2.50	-0.10	1.56	0.73	1.07	0.10
DE	12	13	4	31	41	5	10	0.69	0.25	0.16	-0.46	-0.08	0.76	0.07
NJ	13	11	9	40	49	6	33	0.55	0.67	0.05	-0.65	-0.21	0.70	-0.02
TX	14	16	20	10	12	28	13	0.47	-0.04	-0.03	0.52	0.12	-0.15	0.05
NC	15	12	8	29	31	13	34	0.24	0.45	0.06	-0.39	-0.02	0.16	-0.02
GA	16	10	25	30	47	41	35	0.07	0.96	-0.03	-0.43	-0.13	-0.27	-0.02
MN	17	15	13	25	17	19	43	0.06	0.14	0.02	-0.15	0.08	0.00	-0.03
AZ	18	14	14	24	8	50	46	-0.10	0.24	0.01	-0.10	0.15	-0.36	-0.04
CT	19	20	5	9	44	31	45	-0.27	-0.64	0.13	0.57	-0.11	-0.18	-0.04
OR	20	24	27	15	6	18	6	-0.29	-0.86	-0.05	0.31	0.19	0.01	0.11
AL	21	28	39	3	15	47	38	-0.38	-1.34	-0.11	1.33	0.10	-0.33	-0.02
RI	22	21	16	18	40	29	24	-0.85	-0.68	0.00	0.06	-0.07	-0.16	0.00
ID	23	33	29	4	21	15	2	-0.93	-2.11	-0.07	0.88	0.04	0.11	0.22
OH	24	22	12	20	32	39	19	-1.02	-0.81	0.03	0.00	-0.02	-0.24	0.02
PA	25	25	11	28	33	14	27	-1.03	-0.95	0.04	-0.20	-0.03	0.12	-0.01
IL	26	17	7	39	39	40	39	-1.11	-0.25	0.08	-0.59	-0.07	-0.25	-0.02

(continued)

TABLE 2 (continued)
STEM OCCUPATIONAL RANKS AND SHARES BY CATEGORY BY STATE, 2019

RANKED BY THE OVERALL STEM SHARE OF AGGREGATE EARNINGS

	Occupational STEM Share of Total Aggregate Earnings, Rank							Occupational STEM Share of Total Aggregate Earnings, Difference From National Average						
	Total	Comp-uter	Math	Engin-eering	Eng Tech	Sci-ence	Sci Tech	Total	Comp -uter	Math	Engin-eering	Eng Tech	Sci-ence	Sci Tech
MO	27	18	26	36	45	43	26	-1.28	-0.29	-0.04	-0.54	-0.11	-0.30	-0.01
AK	28	47	41	6	4	4	3	-1.61	-3.53	-0.12	0.73	0.21	0.88	0.22
WI	29	27	28	19	34	33	29	-1.61	-1.33	-0.05	0.01	-0.03	-0.19	-0.01
KS	30	30	22	21	36	38	30	-1.82	-1.45	-0.03	-0.04	-0.05	-0.23	-0.01
SC	31	32	40	11	11	44	50	-1.96	-2.10	-0.12	0.51	0.13	-0.30	-0.08
OK	32	38	38	14	3	27	9	-2.00	-2.39	-0.10	0.32	0.21	-0.13	0.09
NE	33	19	19	50	43	36	28	-2.05	-0.55	-0.02	-1.17	-0.09	-0.21	-0.01
IA	34	31	23	38	20	34	16	-2.17	-1.46	-0.03	-0.57	0.06	-0.20	0.03
VT	35	34	33	26	10	22	37	-2.35	-2.14	-0.08	-0.17	0.14	-0.08	-0.02
IN	36	35	35	23	23	20	40	-2.48	-2.26	-0.10	-0.10	0.02	-0.02	-0.03
FL	37	26	36	46	42	51	49	-2.70	-1.27	-0.10	-0.80	-0.09	-0.37	-0.07
NY	38	23	18	51	51	48	41	-2.71	-0.85	-0.01	-1.25	-0.23	-0.34	-0.03
ME	39	37	24	35	2	24	44	-2.82	-2.35	-0.03	-0.53	0.22	-0.10	-0.03
MT	40	46	45	43	30	8	1	-3.34	-3.10	-0.13	-0.73	-0.02	0.39	0.25
TN	41	36	34	42	27	42	23	-3.35	-2.31	-0.09	-0.68	0.01	-0.28	0.01
WV	42	42	43	41	28	17	8	-3.52	-2.85	-0.12	-0.66	0.00	0.01	0.10
KY	43	41	32	33	26	49	48	-3.70	-2.75	-0.07	-0.47	0.01	-0.34	-0.07
HI	44	45	46	44	35	25	20	-4.10	-3.10	-0.14	-0.74	-0.03	-0.10	0.01
SD	45	44	48	47	48	16	32	-4.16	-2.97	-0.16	-0.91	-0.16	0.06	-0.02
AR	46	40	42	48	46	45	21	-4.24	-2.61	-0.12	-1.07	-0.13	-0.31	0.01
LA	47	50	51	27	7	37	5	-4.28	-3.99	-0.18	-0.19	0.15	-0.23	0.15
WY	48	51	50	34	29	9	4	-4.37	-4.22	-0.17	-0.51	-0.01	0.36	0.18
ND	49	48	44	45	13	26	18	-4.39	-3.54	-0.13	-0.76	0.11	-0.10	0.02
MS	50	49	47	32	22	30	31	-4.49	-3.73	-0.15	-0.47	0.03	-0.16	-0.02
NV	51	43	49	49	37	46	11	-4.53	-2.89	-0.17	-1.16	-0.05	-0.33	0.06

Sources: Emsi (employment and earnings). Definition of STEM occupations produced by authors.

categories. For example, Maryland ranks in the top five in each of these categories; Massachusetts, Washington, and Virginia rank among the top 17 states in each of these four categories. Other highly ranked states overall have considerable strength in some of the four categories, but do not compare favorably in others. For example, Michigan ranks first in the engineering category, but between 29th and 35th on the other three; New Mexico ranks second on both engineering and science, but 35th or lower in computer and math.

Change Over Time

In Table 3, an occupational summary of the change in STEM share between 2005 and 2019 is presented by state, ranked by the largest positive change in the STEM share of aggregate earnings. The STEM shares of aggregate earnings and employment are presented relative to the national figure. Relatively few states had a change in STEM share greater than the national figure.

Fifteen states exceeded the national average on the change in STEM share of occupational aggregate earnings in 2019 and 19 states at least equaled the change in the national STEM share of occupational employment. Nineteen states had a change in share equal to or greater than the national average on at least one of the measures, with 14 above average on both. These 19 states are not evenly distributed across the country. A summary by region follows:

- Of the five Pacific states, California and Washington were above average on each measure and Oregon's change in employment share was above average.
- Of the eight Mountain states, Colorado and Utah were above average on each measure.
- Of the seven West North Central states, Missouri was above average on each measure; the change in the employment share was above average in Iowa and Minnesota.
- Of the five East North Central states, Michigan, Ohio, and Wisconsin were above average on each measure; the change in the employment share was equal to the nation in Indiana.
- Of the six New England states, Massachusetts and New Hampshire were above average on each measure.
- Of the three Middle Atlantic states, Pennsylvania was above average on the change in employment share.
- Of the nine South Atlantic states, Maryland, North Carolina, South Carolina, and Virginia were above average on each measure; the change in the aggregate earnings share was above average in Georgia.
- None of the four East South Central states matched or exceeded the national average.
- None of the four West South Central states matched or exceeded the national average.

In Table 4, the states are ranked based on the change in the STEM share of aggregate earnings in each of the six STEM occupational categories. Most of the leading states on the overall change in STEM share of total aggregate earnings had a strong change in the computer category. Other than that, the causes of the strong overall performance varied widely across the leading states. New Hampshire ranked among the top 16 states in each category, but several leading states ranked among the top 20 in just two categories.

TABLE 3
STEM OCCUPATIONAL RANKS AND STATISTICS BY STATE RELATIVE TO THE NATIONAL AVERAGE, 2005-TO-2019 CHANGE

RANKED BY THE CHANGE IN THE OVERALL STEM SHARE OF AGGREGATE EARNINGS

	STEM Share as a Difference From the National Average				STEM Median Earnings*		STEM Job Quality		STEM Median Earnings After Adjustment for Job Quality*	
	Employment		Aggregate Earnings							
Washington	1	0.77	1	2.29	1	1.693	16	0.08	1	1.692
Virginia	4	0.38	2	1.00	4	1.480	8	0.34	6	1.475
New Hampshire	3	0.40	3	0.93	7	1.443	30	-0.65	7	1.453
California	12	0.15	4	0.69	14	1.286	2	1.28	14	1.270
North Carolina	6	0.36	5	0.69	19	1.092	9	0.32	20	1.089
Maryland	5	0.37	6	0.57	9	1.417	14	0.17	9	1.415
Massachusetts	2	0.61	7	0.54	47	0.459	10	0.30	47	0.457
Utah	9	0.25	8	0.50	27	0.922	12	0.25	28	0.920
Georgia	21	-0.02	9	0.47	12	1.332	1	1.33	12	1.315
Michigan	7	0.35	10	0.46	48	0.361	44	-1.73	48	0.368
Wisconsin	8	0.31	11	0.21	43	0.572	38	-1.14	42	0.579
Missouri	14	0.12	12	0.15	42	0.574	11	0.29	43	0.572
Ohio	11	0.20	13	0.12	37	0.652	31	-0.67	37	0.656
South Carolina	16	0.06	14	0.09	30	0.761	42	-1.58	30	0.774
Colorado	10	0.23	15	0.01	32	0.738	15	0.11	33	0.737
Iowa	13	0.13	16	-0.05	25	0.961	17	0.07	25	0.960
Illinois	27	-0.14	17	-0.11	6	1.455	6	0.49	8	1.448
Minnesota	15	0.09	18	-0.12	31	0.748	34	-0.75	31	0.754
Pennsylvania	18	0.02	19	-0.13	21	1.061	5	0.55	21	1.055
Arizona	20	-0.02	20	-0.25	10	1.402	13	0.18	10	1.400
Indiana	19	0.00	21	-0.25	39	0.643	35	-0.93	39	0.649
Oregon	17	0.03	22	-0.30	46	0.499	24	-0.39	46	0.501
Texas	24	-0.10	23	-0.36	24	0.989	22	-0.24	23	0.992
Florida	35	-0.32	24	-0.40	36	0.688	18	-0.03	36	0.688
Alabama	29	-0.23	25	-0.41	17	1.152	32	-0.68	17	1.160
Maine	22	-0.08	26	-0.44	33	0.737	19	-0.06	32	0.737

(continued)

TABLE 3 (continued)
STEM OCCUPATIONAL RANKS AND STATISTICS BY STATE RELATIVE TO THE NATIONAL AVERAGE, 2005-TO-2019 CHANGE

RANKED BY THE CHANGE IN THE OVERALL STEM SHARE OF AGGREGATE EARNINGS

	STEM Share as a Difference From the National Average									
	Employment		Aggregate Earnings		STEM Median Earnings*		STEM Job Quality		STEM Median Earnings After Adjustment for Job Quality*	
Connecticut	30	-0.24	27	-0.45	13	1.311	21	-0.20	13	1.314
Nebraska	26	-0.11	28	-0.46	23	0.997	4	0.82	24	0.989
Rhode Island	25	-0.11	29	-0.48	22	1.026	27	-0.59	22	1.032
New Jersey	37	-0.35	30	-0.53	34	0.734	3	1.02	35	0.726
District of Columbia	28	-0.17	31	-0.62	3	1.594	46	-1.80	2	1.623
West Virginia	40	-0.39	32	-0.66	18	1.096	20	-0.08	18	1.097
New Mexico	42	-0.45	33	-0.71	2	1.611	23	-0.32	3	1.617
Oklahoma	36	-0.34	34	-0.78	16	1.177	28	-0.60	16	1.184
New York	33	-0.31	35	-0.78	29	0.904	29	-0.65	29	0.910
South Dakota	23	-0.10	36	-0.81	45	0.505	48	-2.15	45	0.516
Tennessee	32	-0.30	37	-0.84	44	0.531	26	-0.56	44	0.534
Kentucky	39	-0.37	38	-0.89	38	0.647	40	-1.37	38	0.656
Nevada	41	-0.42	39	-0.98	35	0.732	25	-0.50	34	0.736
Vermont	31	-0.26	40	-1.05	51	-0.026	49	-2.27	51	-0.026
Montana	38	-0.36	41	-1.11	20	1.081	33	-0.69	19	1.089
Kansas	34	-0.32	42	-1.22	50	0.104	50	-2.88	50	0.107
Mississippi	46	-0.69	43	-1.27	26	0.928	39	-1.34	26	0.940
Arkansas	44	-0.59	44	-1.36	40	0.637	36	-0.95	40	0.643
Louisiana	48	-0.73	45	-1.42	15	1.213	43	-1.58	15	1.233
Idaho	45	-0.62	46	-1.43	28	0.911	47	-1.82	27	0.928
Alaska	43	-0.52	47	-1.44	41	0.585	41	-1.43	41	0.594
Delaware	51	-0.89	48	-1.50	11	1.376	7	0.36	11	1.371
North Dakota	47	-0.70	49	-1.67	8	1.439	51	-3.32	5	1.489
Wyoming	50	-0.76	50	-1.72	5	1.477	45	-1.78	4	1.503
Hawaii	49	-0.74	51	-1.97	49	0.327	37	-1.12	49	0.331

* Adjusted for the cost of living, expressed as a ratio to the national average.

Sources: Emsi (employment and earnings) and U.S. Department of Commerce, Bureau of Economic Analysis (regional price parity). Definition of STEM occupations produced by authors.

TABLE 4
STEM OCCUPATIONAL RANKS AND SHARES BY CATEGORY BY STATE, 2005-TO-2019 CHANGE

RANKED BY THE CHANGE IN THE OVERALL STEM SHARE OF AGGREGATE EARNINGS

	Change in STEM Share of Total Aggregate Earnings, Rank							Change in STEM Share of Total Aggregate Earnings, Difference From National Average						
	Total	Comp-uter	Math	Engin-eering	Eng Tech	Sci-ence	Sci Tech	Total	Comp-uter	Math	Engin-eering	Eng Tech	Sci-ence	Sci Tech
WA	1	1	8	39	49	21	41	2.29	2.52	0.04	-0.11	-0.08	-0.04	-0.03
VA	2	2	2	41	46	46	36	1.00	1.29	0.11	-0.14	-0.07	-0.17	-0.02
NH	3	7	11	11	16	12	7	0.93	0.53	0.03	0.27	0.04	0.03	0.03
CA	4	4	22	44	47	3	27	0.69	0.85	-0.02	-0.19	-0.08	0.13	0.00
NC	5	8	3	20	23	8	31	0.69	0.40	0.06	0.12	0.03	0.09	-0.01
MD	6	9	1	31	29	4	47	0.57	0.40	0.15	-0.03	0.01	0.11	-0.08
MA	7	13	6	32	43	1	4	0.54	0.01	0.05	-0.05	-0.05	0.54	0.04
UT	8	5	17	34	41	24	39	0.50	0.69	-0.01	-0.07	-0.03	-0.06	-0.02
GA	9	6	19	29	21	39	15	0.47	0.54	-0.01	0.03	0.03	-0.12	0.01
MI	10	32	29	1	14	22	23	0.46	-0.63	-0.03	1.12	0.05	-0.05	0.00
WI	11	17	28	7	11	7	1	0.21	-0.29	-0.03	0.33	0.06	0.10	0.04
MO	12	12	21	19	7	37	22	0.15	0.05	-0.02	0.13	0.08	-0.10	0.00
OH	13	15	9	14	8	20	5	0.12	-0.17	0.04	0.17	0.07	-0.02	0.03
SC	14	19	37	2	4	32	33	0.09	-0.37	-0.05	0.52	0.09	-0.08	-0.01
CO	15	11	38	38	45	34	19	0.01	0.32	-0.05	-0.10	-0.06	-0.10	0.01
IA	16	22	23	12	2	13	17	-0.05	-0.39	-0.02	0.19	0.12	0.03	0.01
IL	17	16	5	23	6	29	21	-0.11	-0.26	0.05	0.09	0.08	-0.07	0.00
MN	18	25	10	16	34	6	14	-0.12	-0.44	0.03	0.16	0.00	0.10	0.01
PA	19	21	13	18	13	10	30	-0.13	-0.39	0.02	0.13	0.06	0.05	0.00
AZ	20	10	7	48	51	30	35	-0.25	0.36	0.04	-0.42	-0.15	-0.08	-0.01
IN	21	26	32	13	12	15	10	-0.25	-0.48	-0.04	0.19	0.06	0.00	0.02
OR	22	23	26	25	18	16	3	-0.30	-0.42	-0.02	0.06	0.04	0.00	0.04
TX	23	14	24	28	50	44	24	-0.36	-0.10	-0.02	0.03	-0.11	-0.17	0.00
FL	24	18	30	30	31	26	8	-0.40	-0.32	-0.04	-0.01	0.01	-0.07	0.03
AL	25	36	39	3	32	40	34	-0.41	-0.69	-0.06	0.47	0.00	-0.13	-0.01
ME	26	35	18	15	26	11	11	-0.44	-0.66	-0.01	0.17	0.01	0.04	0.02

(continued)

TABLE 4 (continued)
STEM OCCUPATIONAL RANKS AND SHARES BY CATEGORY BY STATE, 2005-TO-2019 CHANGE

RANKED BY THE CHANGE IN THE OVERALL STEM SHARE OF AGGREGATE EARNINGS

	Change in STEM Share of Total Aggregate Earnings, Rank							Change in STEM Share of Total Aggregate Earnings, Difference From National Average						
	Total	Comp-uter	Math	Engin-eering	Eng Tech	Sci-ence	Sci Tech	Total	Comp-uter	Math	Engin-eering	Eng Tech	Sci-ence	Sci Tech
CT	27	34	12	9	39	23	37	-0.45	-0.65	0.02	0.27	-0.02	-0.05	-0.02
NE	28	20	33	35	10	25	12	-0.46	-0.38	-0.04	-0.07	0.07	-0.06	0.02
RI	29	28	20	26	20	18	2	-0.48	-0.57	-0.02	0.06	0.03	-0.02	0.04
NJ	30	24	15	45	25	2	42	-0.53	-0.43	0.01	-0.23	0.02	0.14	-0.03
DC	31	3	14	51	37	51	50	-0.62	0.96	0.01	-0.79	-0.01	-0.69	-0.11
WV	32	27	43	27	17	38	32	-0.66	-0.54	-0.07	0.03	0.04	-0.11	-0.01
NM	33	44	42	4	28	5	46	-0.71	-1.15	-0.07	0.46	0.01	0.11	-0.08
OK	34	40	41	6	15	45	43	-0.78	-0.93	-0.06	0.38	0.04	-0.17	-0.04
NY	35	29	16	42	24	27	26	-0.78	-0.57	0.00	-0.16	0.02	-0.07	0.00
SD	36	41	45	22	3	14	18	-0.81	-0.94	-0.08	0.09	0.09	0.03	0.01
TN	37	33	35	33	38	31	29	-0.84	-0.64	-0.05	-0.06	-0.01	-0.08	0.00
KY	38	39	31	21	33	28	25	-0.89	-0.90	-0.04	0.12	0.00	-0.07	0.00
NV	39	31	48	40	36	41	13	-0.98	-0.63	-0.09	-0.13	-0.01	-0.14	0.01
VT	40	30	27	50	30	9	20	-1.05	-0.59	-0.02	-0.52	0.01	0.06	0.01
MT	41	46	44	8	22	19	51	-1.11	-1.21	-0.07	0.28	0.03	-0.02	-0.11
KS	42	37	25	49	40	17	16	-1.22	-0.72	-0.02	-0.45	-0.02	-0.01	0.01
MS	43	45	46	24	35	33	28	-1.27	-1.18	-0.08	0.08	0.00	-0.09	0.00
AR	44	43	36	46	9	35	9	-1.36	-1.03	-0.05	-0.27	0.07	-0.10	0.02
LA	45	49	50	10	5	47	6	-1.42	-1.54	-0.09	0.27	0.09	-0.17	0.03
ID	46	42	34	36	48	49	40	-1.43	-0.98	-0.04	-0.07	-0.08	-0.23	-0.03
AK	47	50	40	5	42	42	44	-1.44	-1.56	-0.06	0.40	-0.03	-0.15	-0.05
DE	48	38	4	47	44	50	49	-1.50	-0.83	0.05	-0.31	-0.05	-0.28	-0.10
ND	49	51	49	17	1	48	38	-1.67	-1.67	-0.09	0.16	0.18	-0.23	-0.02
WY	50	47	51	37	19	36	48	-1.72	-1.39	-0.10	-0.08	0.03	-0.10	-0.09
HI	51	48	47	43	27	43	45	-1.97	-1.52	-0.08	-0.17	0.01	-0.16	-0.05

Sources: Emsi (employment and earnings). Definition of STEM occupations produced by authors.

Actual STEM Share Versus Expected Share

Because of the relationship between STEM intensity and metropolitan area size, each state is divided into its components: each metro area, the state's nonmetropolitan area, and "county not reported." For each state, an "expected" state share is calculated by multiplying the average share for each metro size class, the national average of nonmetro areas, and the U.S. average for "county not reported" by the share of each state's employment provided by each metro area, the nonmetro area, and "county not reported."

A comparison of these "expected" shares to the actual shares provides a better measure of a state's STEM performance than the actual figures because the "expected" figures take into consideration the wide differences across states in the settlement pattern and in the differences in STEM share by metropolitan size/nonmetro area/"county not reported." Based on the relationship between STEM intensity and size of the labor market, a state such as South Dakota, which does not have a metro area in the first three size classes, cannot be expected to have as high a STEM share as neighboring Minnesota, in which 65 percent of the state's employment is in the largest size class.

The right portion of Table 5 subtracts the expected share from the actual share. The actual value in 2019 was greater than the expected share in 29 states, including eight of the top 10 states based on the actual 2019 share. Colorado, the District of Columbia, Maryland, Massachusetts, Utah, Virginia, and Washington each had an actual share substantially greater than expected. In contrast, California's high actual share in 2019 was only slightly greater than expected, given its large number of very populous metro areas. States not highly ranked based on the actual 2019 share whose actual value substantially exceeded the expected value include Alaska, Idaho, Montana, New Mexico, and Vermont. In contrast, in some states, the actual share was considerably less than expected, including Florida, Hawaii, Louisiana, Mississippi, Nevada, New York, and Tennessee.

A summary by region of the difference between the actual and expected shares in 2019 follows:

- Pacific: Four of the five states had an actual value greater than expected, with Washington ranked first, and Alaska ninth, on the differential. Hawaii ranked 46th.
- Mountain: Six of the eight states had an actual value greater than expected, with Colorado, New Mexico, and Utah ranked among the top 11. The exceptions were Nevada, which ranked last on the differential, and Arizona, which ranked 36th.
- West North Central: Six of the seven states had an actual value greater than expected, though the differential was slight except in Iowa. Missouri was the only state with a subpar actual value.
- East North Central: Of the five states, only Michigan and Wisconsin had an actual value greater than expected. Illinois ranked in the bottom 10.
- New England: Of the six states, only Rhode Island did not have an actual value greater than expected. Massachusetts, New Hampshire, and Vermont ranked in the top 10.
- Middle Atlantic: Each of the three states had an actual value less than expected, with New York ranked 48th.
- South Atlantic: Five of the nine states had an actual value greater than expected, with the differential among the top four in the District of Columbia, Maryland, and Virginia. In contrast, Florida ranked second lowest.

- East South Central: Alabama had an actual value greater than expected, but Kentucky, Mississippi, and Tennessee each ranked among the bottom 10.
- West South Central: Each of the four states had an actual value less than expected, with Arkansas and Louisiana ranking among the bottom 10.

The actual change in share between 2005 and 2019 was greater than expected in 23 states. Most of the highly ranked states based on the actual change had an actual change larger than expected. A summary by region of the difference between the actual and expected change in share follows:

- Pacific: The actual change exceeded the expected value in each of the mainland states, with Washington ranking first on the differential. Hawaii ranked 48th.
- Mountain: Only three of the eight states had an actual change greater than expected: Utah (ranked third), Colorado, and Montana. In contrast, Idaho, Nevada, and Wyoming ranked among the bottom 10.
- West North Central: Five of the seven states had an actual change greater than expected, with Iowa and South Dakota ranking in the top 10.
- East North Central: Only Illinois had an actual change less than expected; Wisconsin and Michigan ranked in the top 10.
- New England: Four of the six states had an actual change greater than expected, with Massachusetts and New Hampshire ranking in the top 10.
- Middle Atlantic: Each of the three states had an actual change less than expected, with New Jersey and New York ranking in the bottom 10.
- South Atlantic: Four of the nine states had an actual change greater than expected: Maryland, North Carolina, South Carolina, and Virginia, with each ranking in the top 15. In contrast, Delaware and Florida ranked in the bottom 10.
- East South Central: None of the four states had an actual change greater than expected, with Mississippi ranking among the bottom 10.
- West South Central: Each of the four states had an actual change less than expected, with Arkansas and Louisiana ranking among the bottom 10.

TABLE 5
STEM OCCUPATIONAL EMPLOYMENT RANKS AND SHARES BY STATE, ACTUAL AND EXPECTED

RANKED BY THE ACTUAL STEM SHARE OF EMPLOYMENT IN 2019

	Actual				Expected*				Actual Minus Expected			
	2019		2005 to 2019		2019		2005 to 2019		2019		2005 to 2019	
DC	1	9.01%	28	0.66	1	6.44%	10	0.88	1	2.57	36	-0.22
MD	2	8.47	5	1.20	3	6.32	1	0.99	4	2.15	12	0.22
WA	3	8.00	1	1.60	14	5.54	20	0.78	2	2.46	1	0.82
VA	4	7.93	4	1.21	17	5.52	8	0.89	3	2.41	10	0.33
MA	5	7.71	2	1.44	5	6.06	13	0.87	7	1.65	2	0.57
CO	6	7.46	10	1.06	21	5.36	25	0.75	5	2.10	11	0.31
CA	7	6.48	12	0.98	4	6.16	6	0.90	24	0.32	19	0.08
UT	8	6.46	9	1.08	30	4.77	43	0.53	6	1.68	3	0.55
MI	9	6.41	7	1.18	23	5.34	19	0.79	12	1.07	7	0.39
NH	10	6.39	3	1.23	31	4.75	22	0.77	8	1.64	6	0.46
MN	11	6.00	15	0.93	18	5.51	15	0.85	21	0.49	21	0.08
CT	12	5.95	30	0.59	22	5.36	30	0.71	17	0.59	30	-0.11
DE	13	5.91	51	-0.06	12	5.70	27	0.74	28	0.21	51	-0.80
NJ	14	5.89	37	0.48	2	6.35	2	0.98	38	-0.46	49	-0.50
OR	15	5.84	17	0.86	24	5.27	24	0.76	18	0.57	18	0.09
AZ	16	5.62	20	0.81	6	5.97	9	0.88	36	-0.35	27	-0.08
RI	17	5.51	25	0.72	15	5.54	26	0.74	30	-0.03	25	-0.02
NM	18	5.51	42	0.38	38	4.40	37	0.61	11	1.10	38	-0.24
TX	19	5.49	24	0.73	11	5.80	3	0.93	35	-0.31	34	-0.20
AK	20	5.45	43	0.31	45	3.91	47	0.42	9	1.54	29	-0.11
NC	21	5.44	6	1.19	27	5.04	16	0.84	23	0.39	8	0.35
GA	22	5.38	21	0.81	16	5.53	5	0.90	31	-0.14	28	-0.10
OH	23	5.21	11	1.03	19	5.47	14	0.85	34	-0.26	14	0.18
PA	24	5.18	18	0.85	13	5.56	12	0.87	37	-0.37	26	-0.02
WI	25	5.17	8	1.14	35	4.57	35	0.62	16	0.59	4	0.52
IL	26	5.13	27	0.69	8	5.90	4	0.92	43	-0.77	37	-0.23

(continued)

TABLE 5 (continued)
STEM OCCUPATIONAL EMPLOYMENT RANKS AND SHARES BY STATE, ACTUAL AND EXPECTED

RANKED BY THE ACTUAL STEM SHARE OF EMPLOYMENT IN 2019

	Actual				Expected*				Actual Minus Expected			
	2019		2005 to 2019		2019		2005 to 2019		2019		2005 to 2019	
ID	27	5.02	45	0.21	41	4.02	41	0.56	13	1.00	41	-0.35
MO	28	4.98	14	0.95	20	5.45	17	0.84	39	-0.48	17	0.11
AL	29	4.91	29	0.60	39	4.35	38	0.61	20	0.56	24	-0.01
VT	30	4.79	31	0.57	47	3.55	45	0.52	10	1.24	23	0.05
NE	31	4.75	26	0.72	36	4.50	39	0.59	26	0.25	16	0.13
KS	32	4.75	34	0.51	33	4.68	29	0.71	29	0.07	33	-0.20
IA	33	4.57	13	0.96	43	3.93	46	0.49	15	0.64	5	0.47
NY	34	4.54	33	0.53	7	5.93	7	0.89	48	-1.39	44	-0.36
IN	35	4.46	19	0.83	26	5.09	23	0.77	40	-0.62	22	0.06
OK	36	4.40	36	0.49	34	4.64	36	0.61	33	-0.24	31	-0.12
SC	37	4.39	16	0.89	28	5.02	28	0.73	41	-0.63	15	0.17
MT	38	4.28	38	0.47	50	3.33	50	0.39	14	0.95	20	0.08
ME	39	4.27	22	0.75	42	3.99	40	0.56	25	0.28	13	0.19
FL	40	4.13	35	0.51	9	5.86	11	0.87	50	-1.74	43	-0.36
TN	41	3.91	32	0.53	25	5.19	21	0.78	47	-1.29	40	-0.25
HI	42	3.90	49	0.09	29	4.83	42	0.54	46	-0.93	48	-0.45
ND	43	3.86	47	0.13	49	3.46	51	0.38	22	0.40	39	-0.25
WY	44	3.77	50	0.07	51	3.20	48	0.42	19	0.57	42	-0.35
SD	45	3.74	23	0.73	48	3.49	49	0.39	27	0.25	9	0.34
WV	46	3.72	40	0.44	46	3.91	31	0.66	32	-0.20	35	-0.21
KY	47	3.71	39	0.46	37	4.44	33	0.63	42	-0.74	32	-0.17
AR	48	3.34	44	0.24	40	4.12	32	0.65	44	-0.78	46	-0.40
LA	49	3.25	48	0.10	32	4.71	34	0.63	49	-1.46	50	-0.53
NV	50	3.25	41	0.41	10	5.83	18	0.82	51	-2.59	47	-0.41
MS	51	2.99	46	0.14	44	3.91	44	0.52	45	-0.92	45	-0.38

* The “expected” share is calculated using the size-class average for each metro area and the national average for the nonmetro area and ”county not reported” multiplied by the share of each state’s employment provided by each metro area, the nonmetro area, and “county not reported.”

Sources: Emsi (employment and earnings). Definition of STEM occupations produced by authors.

METROPOLITAN AREA AND NONMETROPOLITAN AREA SUMMARY

The STEM shares in the U.S. metropolitan area of 5.70 percent of employment and 10.41 percent of aggregate earnings are greater than the national figures. Table 6 summarizes the 2019 occupational STEM shares of aggregate earnings and employment by occupational category and by metropolitan size class, with comparisons to the nation and to the total of all 384 metro areas. Based on employment, the figures for the nonmetropolitan area and for "county not reported" also are provided.

Based on both aggregate earnings and employment, the overall STEM share was highest in SC1 and declined with size class, being lowest in SC6. The general pattern of decreasing STEM share with decreasing metro size was present in the computer, math, engineering, and science categories. In contrast, in the two technician categories, there was no clear relationship between STEM share and metro size, though the largest size class generally had the *lowest* shares.

The computer category accounted for more than 55 percent of total STEM employment and total STEM aggregate earnings in the U.S. metropolitan area in 2019. The engineering category accounted for more than 20 percent of the STEM total. The share was less than 8 percent in each of the other four categories.

The computer category's share of both STEM employment and STEM aggregate earnings was positively correlated to metro size, with the share ranging from 62 percent in the largest size class to 40 percent in the smallest size class. The math category's share also was positively correlated to metro size. In contrast, the shares of the science, science technician, and engineering technician categories were inversely related to metro size and the engineering category's shares were partially inversely related.

The change between 2005 and 2019 in the occupational STEM share of aggregate earnings and employment by occupational category and by size class is displayed in Table 7. As with the 2019 shares, the change in the overall STEM share was related to metro size. The greatest increase occurred in SC1, followed by SC2 and then SC3. The increases in the three other size classes were similar but less than in SC3. The general pattern of decreasing change in share with decreasing metro size was present in the computer and math categories. In contrast, in the engineering and engineering technician categories, the change in STEM share largely was inversely related to metro size. In the science and science technician categories, there was no clear relationship between the change in STEM share and metro size.

The computer category accounted for more than 90 percent of the overall increase in the share of total STEM aggregate earnings and total STEM employment between 2005 and 2019 in the U.S. metropolitan area. The math, engineering, and science categories also contributed to the overall increase in STEM share, but the small positive contributions of these three categories were largely offset by the decline in share in the engineering technician category.

The computer category's change in share of both STEM employment and STEM aggregate earnings was positively correlated to metro size, accounting for nearly 100 percent of the overall change in the largest size class to less than 55 percent of the total change in the smallest size class. In contrast, the contribution from the engineering category was inversely related to metro

size, ranging from more than 40 percent of the total change in SC6 to nearly zero in SC1. The change in share in the science category was partially inversely related to metro size; no pattern with metro size can be discerned in the contributions of the other categories.

The relationship between size and STEM intensity extends to include the U.S. nonmetropolitan area. Based on employment, the nonmetro STEM share of 2.79 percent in 2019 was considerably less than the 3.61 percent share in SC6. The change in the nonmetro share between 2005 and 2019 of 0.16 percentage points was less than the change in each of the six metro size classes. By category, the 2019 STEM share in the nonmetro area was less than in each of the metro size classes except in the science technician category. The 2005-to-2019 change in share was less than in each of the size classes in the computer and math categories.

STEM shares in the "county not reported" category are significantly greater than the shares even in SC1. In 2019, the national "county not reported" share was 12.35 percent based on employment and 20.52 percent based on aggregate earnings. The change in share between 2005 and 2019 was 5.55 percentage points based on employment and 8.28 percentage points based on aggregate earnings. Based on employment, the "county not reported" STEM share in 2019 was greater than the share in each metro size class and in the nonmetro area in each occupational category. The change in the "county not reported" STEM share between 2005 and 2019 was greater than in each metro size class and the nonmetro area except for the engineering technician category.

TABLE 6
STEM SHARES BY METROPOLITAN SIZE CLASS AND OCCUPATIONAL CATEGORY, 2019

	STEM Total	Computer	Math	Engineering	Engineering Technician	Science	Science Technician
Aggregate Earnings, Share of Total							
United States	10.18%	5.96%	0.23%	2.52%	0.52%	0.74%	0.21%
U.S. Metro Area	10.41	6.12	0.24	2.57	0.51	0.76	0.21
Employment of At Least 1 Million	11.66	7.29	0.28	2.61	0.48	0.80	0.19
Employment of 350,000 to 999,999	9.47	5.12	0.22	2.65	0.59	0.68	0.21
Employment of 200,000 to 349,999	8.37	4.11	0.15	2.62	0.54	0.73	0.22
Employment of 125,000 to 199,999	7.28	3.29	0.13	2.38	0.56	0.69	0.24
Employment of 75,000 to 124,999	6.85	3.09	0.14	2.11	0.56	0.68	0.26
Employment of Less Than 75,000	6.47	2.61	0.12	2.28	0.56	0.65	0.25
Employment, Share of Total							
United States	5.51	3.11	0.12	1.22	0.43	0.41	0.21
U.S. Metro Area	5.70	3.24	0.13	1.26	0.44	0.42	0.21
Employment of At Least 1 Million	6.44	3.89	0.16	1.31	0.43	0.45	0.20
Employment of 350,000 to 999,999	5.40	2.90	0.12	1.30	0.49	0.39	0.20
Employment of 200,000 to 349,999	4.63	2.28	0.08	1.22	0.44	0.40	0.21
Employment of 125,000 to 199,999	4.11	1.89	0.07	1.11	0.45	0.39	0.21
Employment of 75,000 to 124,999	3.92	1.79	0.07	0.99	0.44	0.38	0.25
Employment of Less Than 75,000	3.61	1.50	0.06	1.05	0.42	0.35	0.23
U.S. Nonmetro Area	2.79	1.02	0.04	0.84	0.36	0.32	0.21
“County Not Reported”	12.35	9.20	0.30	1.56	0.51	0.53	0.25

Sources: Emsi (employment and earnings). Definition of STEM occupations produced by authors.

TABLE 7
STEM SHARES BY METROPOLITAN SIZE CLASS AND OCCUPATIONAL CATEGORY, 2005-TO-2019 CHANGE

	STEM Total	Computer	Math	Engineering	Engineering Technician	Science	Science Technician
Aggregate Earnings, Percentage-Point Change in Share of Total							
United States	1.70	1.61	0.11	0.09	-0.18	0.09	-0.01
U.S. Metro Area	1.64	1.56	0.11	0.09	-0.19	0.08	-0.01
Employment of At Least 1 Million	1.96	1.95	0.13	0.01	-0.21	0.09	-0.01
Employment of 350,000 to 999,999	1.20	1.04	0.08	0.21	-0.16	0.05	-0.02
Employment of 200,000 to 349,999	0.92	0.83	0.06	0.12	-0.18	0.09	0.00
Employment of 125,000 to 199,999	0.76	0.60	0.05	0.23	-0.16	0.05	-0.01
Employment of 75,000 to 124,999	0.63	0.45	0.06	0.19	-0.12	0.06	-0.01
Employment of Less Than 75,000	0.76	0.40	0.06	0.34	-0.09	0.06	-0.01
Employment, Percentage-Point Change in Share of Total							
United States	0.83	0.74	0.06	0.09	-0.12	0.06	0.00
U.S. Metro Area	0.74	0.69	0.06	0.08	-0.13	0.05	0.00
Employment of At Least 1 Million	0.88	0.87	0.07	0.03	-0.15	0.06	0.00
Employment of 350,000 to 999,999	0.63	0.53	0.05	0.14	-0.12	0.04	-0.01
Employment of 200,000 to 349,999	0.47	0.41	0.03	0.08	-0.12	0.06	0.01
Employment of 125,000 to 199,999	0.36	0.28	0.03	0.12	-0.11	0.05	0.00
Employment of 75,000 to 124,999	0.33	0.20	0.03	0.12	-0.09	0.05	0.00
Employment of Less Than 75,000	0.41	0.22	0.03	0.18	-0.07	0.04	0.00
U.S. Nonmetro Area	0.16	0.10	0.02	0.10	-0.08	0.04	-0.01
“County Not Reported”	5.55	4.71	0.22	0.37	-0.08	0.23	0.10

Sources: Emsi (employment and earnings). Definition of STEM occupations produced by authors.

STATE GEOGRAPHICAL SUMMARY OF STEM ACTIVITY

A summary of the occupational STEM shares of total employment by category — for 2019 and for the 2005-to-2019 change — is provided by state in Appendix C. Within each state, the results are presented for each metro area wholly or partially in the state, for the nonmetropolitan portion of the state, and for activities in the state that have not been allocated to a particular county by Emsi. These shares are compared to the size-class average for metro areas and to the national average for the nonmetro area and for the activities that have not been allocated to a particular county.

For the metro areas that cross state boundaries, the STEM shares have been calculated separately for the portion of the metro area in each state; these are compared to the size-class average of the entire metro area. Generally, the 2019 share was higher in the state with the primary portion of the metro area than in the state(s) with a lesser portion of the metro area's employment. The 2005-to-2019 change in share was not much different between the primary state and the other state(s).

In the following discussion, the official metro area names are shortened to include only the first-named city. The District of Columbia is included as one of the 51 "states." All data are based on employment.

Alabama

Alabama's STEM share of 4.91 percent in 2019 was less than the national average, ranking 29th among the states. The share was 0.56 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Alabama of 0.60 percentage points was less than the national average and ranked 29th. The change in share was 0.01 percentage points less than expected.

The 2019 share in Alabama was above average in the engineering (sixth highest among the states) and engineering technician categories, but Alabama ranked among the bottom 10 states in 2019 in the math, science, and science technician categories. The 2005-to-2019 change in share also was above average in the engineering (fourth highest) and engineering technician categories, but was below average in the other four categories, ranking among the bottom-10 states in the math and science categories.

Employment in Alabama is dispersed across the state, with Birmingham (SC2) being the largest metro area. Thus, the expected STEM share in 2019 was below average.

The 2019 STEM share in Metro Birmingham was among the bottom 20 percent in the size class and its change in share was subpar. Metro Huntsville had the highest share in SC3 in 2019 and ranked seventh in the size class on the 2005-to-2019 change in share. It is predominantly responsible for the state's STEM share exceeding the expected value in 2019. Eight of the state's other 10 metro areas wholly within the state — all in size classes 4 through 6 — had shares less than the size-class average in 2019. The Daphne (SC5), Dothan (SC6), and Gadsden (SC6) metro areas ranked in the bottom 20 percent of their size class. Four of these 10 metro areas had an above-average 2005-to-2019 change in share, with the Decatur (SC6) and Tuscaloosa (SC5) metro areas ranking in the top 20 percent of their size class, but Metro Anniston (SC6) ranking in

the bottom 20 percent. Alabama's nonmetro area was below the national nonmetro average on the 2019 share but ranked fifth on the change in share.

Alaska

Alaska's STEM share of 5.45 percent in 2019 was nearly equal to the national average, ranking 20th among the states. The share was 1.54 percentage points higher than expected, the ninth-largest positive differential among the states. The increase in STEM share between 2005 and 2019 in Alaska of 0.31 percentage points ranking ninth lowest. The change in share was 0.11 percentage points less than expected.

In 2019, Alaska ranked in the top five states in the engineering, engineering technician, science, and science technician categories, but its share was fifth lowest in the computer category, the largest category. The 2005-to-2019 change in share ranked fifth in the engineering category but was among the bottom five states in the computer and science technician categories.

The expected STEM share in Alaska in 2019 was seventh lowest since Alaska, with the third-lowest employment among the states in 2019, has no metro area in SC1 or SC2. Anchorage (SC3) is the largest metro area, accounting for 53 percent of the state's employment in 2019. Its 2019 STEM share was greater than the size-class average; but its change in share ranked sixth lowest. Metro Fairbanks (SC6) ranked in the top 20 percent of its size class on the 2019 share. The nonmetro area of the state, which accounted for a high 34 percent of the state's employment in 2019, had the highest STEM share of any state's nonmetro area in 2019 and ranked fourth on the 2005-to-2019 change in share.

Arizona

Arizona's STEM share of 5.62 percent in 2019 was greater than the national average, ranking 16th among the states. However, the share was 0.35 percentage points less than expected. The increase in STEM share between 2005 and 2019 in Arizona of 0.81 percentage points was nearly equal to the national average and ranked 20th. The change in share was 0.08 percentage points less than expected.

The 2019 share in Arizona was above average in the computer and engineering technician (seventh highest) categories. The science category's share was the least in the nation. The 2005-to-2019 change in share ranked in the top 10 in the computer category, but in the bottom 10 in the engineering and engineering technician categories.

The expected value in Arizona in 2019 was sixth highest among the states since Metro Phoenix (SC1) and Metro Tucson (SC2) were responsible for a high 85 percent of the state's employment in 2019. Metro Phoenix, with 72 percent of the state's employment, had a STEM share in 2019 less than the SC1 average; its change in share also was subpar. In contrast, Metro Tucson ranked in the top 20 percent of SC2 on the 2019 share and was a bit above average on the 2005-to-2019 change in share. Four of the state's other five metro areas — all in size classes 5 or 6 — had a 2019 share less than the size-class average. The exception was Metro Sierra Vista, which ranked in the top 10 percent of SC6. Metro Lake Havasu City (SC6) ranked in the bottom 20 percent. Four of these five metro areas had a below-average change in share; Metro Yuma (SC6) was the exception. The change in share was in the bottom 20 percent of the size class in the Flagstaff,

Lake Havasu City, and Sierra Vista metro areas. The 2019 share in Arizona's nonmetro area, which accounted for a very low 3 percent of the state's employment in 2019, was above the nonmetro average, but the change in share ranked 44th of the 47 states with a nonmetropolitan area.

Arkansas

The 2019 STEM share of 3.34 percent in Arkansas was fourth lowest among the states. The share was 0.78 percentage points lower than expected — the eighth-worst differential among the states. The increase in STEM share between 2005 and 2019 in Arkansas of 0.24 percentage points was eighth lowest. The change in share was 0.40 percentage points less than expected — the fifth-worst differential among the states.

The 2019 share in Arkansas was below the national average in each of the six categories, ranking among the bottom-10 states in the math, engineering, engineering technician, and science categories. The 2005-to-2019 change in share ranked among the bottom-10 states in the computer and engineering categories; the share was marginally above average in the two technician categories.

Employment in Arkansas is dispersed across the state. Little Rock (SC2) is the largest metro area, responsible for 29 percent of the state's employment in 2019. Thus, the expected STEM share in Arkansas in 2019 was considerably below average.

The 2019 STEM share in Metro Little Rock was below the size-class average; its change in share also was subpar. Metro Fayetteville (SC3) also was below average on the 2019 share and on the 2005-to-2019 change in share. Each of the state's other four metro areas wholly or primarily within the state — all in size classes 5 or 6 —was below the size-class average on the 2019 share and on the change in share. Metro Hot Springs and Metro Jonesboro ranked in the bottom 20 percent of SC6 in 2019; Metro Pine Bluff was in the bottom 20 percent of SC6 on the change in share. The nonmetro area in Arkansas, which accounted for a high 30 percent share of the state's employment in 2019, ranked 46th of the 47 states with a nonmetropolitan area on the 2019 share and 41st on the change in share.

California

California's 2019 STEM share of 6.48 percent was seventh highest among the states. The share was 0.32 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in California of 0.98 percentage points was 12th highest among the states and 0.08 percentage points higher than expected.

The 2019 share in California was above average in each of the categories except math; the computer category ranked eighth. California ranked in the top six states on the 2005-to-2019 change in share in the computer and science categories, but was among the bottom-10 states in the engineering and engineering technician categories.

Six metro areas in California had employment of more than 1 million in 2019, accounting for 78 percent of the state's employment in 2019. Thus, the expected STEM share in California in 2019 was fourth highest among the states.

Metro Los Angeles, which accounted for 35 percent of the state's employment, was below the SC1 average on the 2019 share and was second lowest on the change in share between 2005 and 2019. The Riverside and Sacramento areas also were below the SC1 average on the 2019 share and the change in share, with Metro Riverside last in both cases. In contrast, the 2019 STEM shares in the San Diego, San Francisco, and San Jose metro areas were well above the average of SC1, with San Jose ranking first and San Francisco fourth. The 2005-to-2019 change in share ranked first and second in the San Jose and San Francisco areas; Metro San Diego also was above the SC1 average.

Of the state's other 20 metro areas, the 2019 share was below the size-class average in 17 and among the bottom 20 percent in 10. The exceptions were the Santa Maria (SC3), San Luis Obispo (SC4), and Santa Cruz (SC5) metro areas. Sixteen of the 20 metro areas had a 2005-to-2019 change in share less than the size-class average, with six ranking in the bottom 20 percent. Only the Redding (SC5), San Luis Obispo, and Vallejo (SC4) areas exceeded the size-class average. The 2019 share in California's nonmetro area, which accounted for a very low 2 percent of the state's employment in 2019, was above the nonmetro average, but the change in share was below average.

Colorado

Colorado's 2019 STEM share of 7.46 percent was sixth highest among the states, 2.10 percentage points higher than expected — the fifth-highest positive differential among the states. The increase in STEM share between 2005 and 2019 in Colorado of 1.06 percentage points was 10th highest in the nation and 0.31 percentage points more than expected.

The 2019 share in Colorado was below average only in the math category; Colorado ranked among the top five states in the computer and engineering categories. Colorado ranked among the top seven states on the 2005-to-2019 change in share in the computer and science technician categories, but ranked among the bottom-10 states in the engineering technician category.

The expected STEM share in Colorado in 2019 was near average. Metro Denver (SC1) accounted for 54 percent of the employment in Colorado in 2019. It ranked eighth in the size class on the 2019 share and fifth on the change in share between 2005 and 2019. The state's next three largest metro areas — Colorado Springs (SC2), Boulder (SC3), and Fort Collins (SC4) — each ranked in the top 20 percent of its size class on the 2019 share, but the state's other three metro areas were below average. On the 2005-to-2019 change in share, four of the six metro areas were above the size class average, with the Boulder and Pueblo (SC6) areas ranking in the top 20 percent. However, Metro Colorado Springs ranked in the bottom 20 percent. The 2019 share, and the change in share, in Colorado's nonmetro area was less than the nonmetro average.

Connecticut

Connecticut's STEM share of 5.95 percent in 2019 was greater than the national average, ranking 12th among the states. The share was 0.59 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Connecticut of 0.59 percentage points was less than the national average and ranked 30th. The change in share was 0.11 percentage points less than expected.

The 2019 share in Connecticut ranked among the top five states in the math and engineering categories and also was above average in the computer category, but ranked seventh lowest in the science technician category. Connecticut ranked 10th on the 2005-to-2019 change in share in the engineering category and also was above average in math, but was below average in the other categories, including seventh lowest in the engineering technician category.

The expected STEM share in Connecticut in 2019 was near average. Three metro areas, each in SC2, combined to account for 87 percent of the state's employment in 2019. The Hartford (ranked eighth) and Bridgeport areas had above-average STEM shares in 2019, but Metro New Haven was below average. The 2005-to-2019 change in share was above average in Metro Hartford, but Metro New Haven ranked near the bottom of the size class. Norwich, the only other metro area, ranked high in SC4 on the 2019 share and the change in share. Connecticut's nonmetro area, which accounted for a very low 4 percent of the state's employment in 2019, ranked among the top 10 states and the change in share was above the nonmetro average.

Delaware

Delaware's STEM share of 5.91 percent in 2019 was greater than the national average, ranking 13th among the states. The share was 0.21 percentage points higher than expected. The STEM share dropped 0.06 percentage points in Delaware between 2005 and 2019, ranking last among all states. The change in share was 0.80 percentage points less than expected, the greatest negative differential among the states.

Delaware ranked among the top six states on the 2019 share in the math and science categories and its 2019 share also was above average in the computer and science technician categories. On the 2005-to-2019 change in share, Delaware ranked third in the math category but was among the bottom 12 states in each of the other categories.

The expected STEM share in Delaware in 2019 was above average since close to two-thirds of Delaware's employment in 2019 was in the portion of Metro Philadelphia (SC1) that extends into Delaware. The Delaware portion of the metro area had a 2019 share higher than the average for SC1 and higher than in the rest of the metro area, but the change in share in the Delaware portion was considerably below the SC1 average and less than in the Pennsylvania portion. The remainder of the state consists of Metro Dover (SC5) and a portion of Metro Salisbury (SC4). Each area compared unfavorably on the 2019 share and the change in share. Delaware has no nonmetropolitan area.

District of Columbia

The STEM share of 9.01 percent in 2019 in the District of Columbia was the highest in the country. The share was 2.57 percentage points more than expected, the largest positive differential in the nation. The increase in the STEM share between 2005 and 2019 in the District of Columbia of 0.66 percentage points was less than the national average and ranked 28th among the states. It was 0.22 percentage points less than expected.

The 2019 share in the District of Columbia was the highest in the nation in the computer and math categories, ranked fourth in science, and also was above average in engineering. In

contrast, the two technician categories ranked among the seven lowest. The 2005-to-2019 change in share was among the four highest in the computer and math categories, but was among the three lowest in each of the other four categories.

The District of Columbia had the highest expected STEM share in 2019since it is wholly within the Washington DC-VA-MD-WV metro area (SC1). It accounted for 23.1 percent of the metro area's employment in 2019. The 2019 STEM share in the District of Columbia's portion of the metro area was similar to that in the Maryland portion, but considerably less than the share in the Virginia portion. In contrast, the 2005-to-2019 change in share in the District of Columbia's portion of the metro area substantially exceeded the change in the remainder of the metro area.

Florida

Florida's STEM share of 4.13 percent in 2019 was considerably less than the national average, ranking 40th among the states. The share was 1.74 percentage points lower than expected, the second-largest negative differential among the states. The increase in STEM share between 2005 and 2019 in Florida of 0.51 percentage points was less than the national average and ranked 35th. The change in share was 0.36 percentage points less than expected, ninth worst among the states.

The 2019 STEM share in Florida was below the national average in each of the six categories, and among the 10 lowest states in the engineering, engineering technician, science, and science technician categories. Florida was below average on the 2005-to-2019 change in share in each category except science technician.

Florida's expected STEM share in 2019 was ninth highest among the states since it has three metro areas (Miami, Orlando, and Tampa) in SC1 and another metro area (Jacksonville) in SC2. Combined, these four metro areas accounted for 67 percent of the state's employment in 2019. The 2019 STEM share was substantially less than the size-class average in each of these metro areas. The 2005-to-2019 change in share also was subpar in each of these metro areas. Of the state's other 18 metro areas, only five had a 2019 share greater than the size-class average: Palm Bay (third highest in SC3), Crestview (rank of 10th in SC4), Gainesville (21st in SC4), Tallahassee (11th in SC4), and Panama City (14th in SC5). Only two of these 18 metro areas — Palm Bay and Panama City — had an above-average change in share, both ranking in the top 20 percent of its size class. The 2019 share in Florida's nonmetro area, which accounted for a very low 2 percent of the state's employment in 2019, was seventh lowest among the states and the change in share was less than the nonmetro average.

Georgia

Georgia's STEM share of 5.38 percent in 2019 was a little less than the national average, ranking 22nd among the states. The share was 0.14 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in Georgia of 0.81 percentage points was marginally less than the national average and ranked 21st. The change in share was 0.10 percentage points less than expected.

The 2019 STEM share in Georgia was above average in the computer category but below the national average in the engineering, engineering technician (fourth lowest), science (10th

lowest), and science technician categories. Georgia was close to average in each category on the 2005-to-2019 change in share.

The expected value in Georgia in 2019 was a little above average since Metro Atlanta (SC1) accounted for 59 percent of the state's employment in 2019. Metro Atlanta's 2019 share and the 2005-to-2019 change in share each was slightly above the size-class average. No other metro area was in SC1 or SC2. Of the other 13 metro areas wholly or primarily in Georgia, only four had a 2019 share greater than the size-class average, with Metro Warner Robins ranking in the top 10 percent of SC5, but the Gainesville (SC5) and Brunswick (SC6) areas ranked in the bottom 20 percent. The 2005-to-2019 change in share was subpar in all but two of the 13 metro areas, with five ranking in the bottom 20 percent of their size class: Athens (SC5), Gainesville, Warner Robins, Dalton (SC6) and Hinesville (SC6). Georgia's nonmetro area ranked among the bottom six states on the 2019 share and on the change in share.

Hawaii

Hawaii's STEM share of 3.90 percent in 2019 was 10th lowest among the states. The share was 0.93 percentage points lower than expected, the sixth-largest negative differential among the states. The increase in STEM share between 2005 and 2019 in Hawaii of 0.09 percentage points was third lowest among the states. The change in share was 0.45 percentage points less than expected, the fourth-worst differential among the states.

The 2019 STEM share in Hawaii was above average in the science technician category but below the national average in the other categories, including bottom-10 ranks in computer and math. Hawaii was below average on the 2005-to-2019 change in share except in the engineering technician category, including bottom-10 ranks in the computer, math, science, and science technician categories.

The expected STEM share in Hawaii in 2019 was somewhat below average. Metro Honolulu (SC2) accounted for 72 percent of the state's employment in 2019. It was below the size-class average on the 2019 share and the change in share between 2005 and 2019. Hawaii's other metro area (Kahului, SC5) and its nonmetro area also were below the comparison group average on the 2019 share and the change in share.

Idaho

Idaho's STEM share of 5.02 percent in 2019 was less than the national average, ranking 27th among the states. However, the share was 1.00 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Idaho of 0.21 percentage points ranked seventh lowest among the states. The change in share was 0.35 percentage points less than expected.

The 2019 STEM share in Idaho was above average in the engineering, science, and science technician (third highest) categories but below the national average in the computer and math categories. Idaho was below average on the 2005-to-2019 change in share in each category, including bottom-10 ranks in engineering, engineering technician, science, and science technician.

The expected STEM share in Idaho in 2019 was considerably below average since the state has only one metro area in size classes 1 through 4. Metro Boise (SC2) accounted for 43 percent of the state's employment in 2019. It was above the size-class average on the 2019 share but was in the bottom 10 percent on the 2005-to-2019 change in share. Of the other five metro areas wholly or primarily in Idaho, only Idaho Falls had a 2019 share greater than the size-class average, ranking second in SC5, but it ranked last on the 2005-to-2019 change in share. Idaho's nonmetro area had a 2019 share above the nonmetro average, but the change was somewhat below average.

Illinois

In Illinois, the 2019 STEM share of 5.13 percent was somewhat less than the national average, ranking 26th among the states. The share was 0.77 percentage points lower than expected, the ninth-worst negative differential among the states. The increase in STEM share between 2005 and 2019 in Illinois of 0.69 percentage points was less than the U.S. average and ranked 27th. The change in share was 0.23 percentage points less than expected.

The 2019 STEM share in Illinois was above average in the computer and math categories but ranked in the bottom- 12 states in the engineering technician, science, and science technician categories. Illinois was close to average in most categories on the 2005-to-2019 change in share, but ranked sixth in math.

The expected STEM share in Illinois in 2019 ranked eighth since the portion of Metro Chicago in Illinois accounted for 70 percent of the state's employment in 2019. Metro Chicago was below the SC1 average on the 2019 share and on the 2005-to-2019 change in share. No other metro area in Illinois was in SCs 1 through 3. Of the other nine metro areas wholly or primarily in Illinois, four — Peoria (SC4), Springfield (SC4), Bloomington (SC5), and Champaign (SC5) — ranked in the top 20 percent of their size class on the 2019 share, but the other metros were below average. On the 2005-to-2019 change in share, the Peoria, Bloomington, Decatur (SC6), and Kankakee (SC6) areas were among the leaders in their size class, but the other metros were below average. The 2019 share in the nonmetro area of Illinois, which accounted for a low 9 percent of the state's employment in 2019, was less than the nonmetro average, as was the change in share.

Indiana

Indiana's 2019 STEM share of 4.46 percent was less than the national average, ranking 35th among the states. The share was 0.62 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in Indiana of 0.83 percentage points was equal to the U.S. average and ranked 19th. The change in share was 0.06 percentage points more than expected.

The 2019 STEM share in Indiana by category ranged from a little better than average to ninth lowest among the states in the science technician category. Indiana was above average and ranked in the top 14 states on the 2005-to-2019 change in share in the engineering, engineering technician, science, and science technician categories, but was below average in the computer and math categories.

The expected STEM share in Indiana in 2019 was a little below average. Metro Indianapolis (SC1) accounted for 33 percent of the state's employment in 2019. It was below the size-class

average on the 2019 share but marginally above average on the 2005-to-2019 change in share. Fort Wayne was the only other metro area in SC2 or SC3; it was below the SC3 average on the 2019 share and the change in share. Of the other 10 metro areas wholly or primarily in Indiana, the 2019 share was greater than the size-class average in five metros in SCs 5 and 6, including in the top 20 percent in the Bloomington (SC5), Columbus (SC6), and Kokomo (SC6) areas. Six metro areas were above average on the 2005-to-2019 change in share, including ranks in the top 20 percent in the Bloomington, Lafayette, (SC5), Columbus, and Muncie (SC6) areas. Indiana's nonmetro area was above the nonmetro average on the 2019 share and the change in share.

Iowa

Iowa's STEM share of 4.57 percent in 2019 was less than the national average, ranking 33rd among the states. However, the share was 0.64 percentage points higher than expected; The increase in STEM share between 2005 and 2019 in Iowa of 0.96 percentage points was 13th highest among the states. The change in share was 0.47 percentage points more than expected, the fifth-largest positive differential among the states.

The 2019 STEM share in Iowa was above average in the two technician categories but below average in the other categories. Iowa ranked among the top 10 states on the 2005-to-2019 change in share in the engineering, engineering technician, science, and science technician categories, but was below average in the computer and math categories.

The expected STEM share in Iowa in 2019 was ninth lowest among the states since the state has only one metro area in size classes 1 through 3; employment in 2019 was dispersed across the state. Des Moines (SC2) accounted for 24 percent of the state's employment in 2019. It was above the size-class average on the 2019 share and the change in share between 2005 and 2019. Six of the other seven metro areas wholly or primarily in Iowa also had a 2019 share greater than the size-class average, including ranks in the top 20 percent in Cedar Rapids (first in SC4), Iowa City (SC5), Ames (SC6), and Dubuque (SC6). The same six metros had a 2005-to-2019 change in share above the size-class average, including top 20 percent ranks in Cedar Rapids, Waterloo (SC5), Ames, and Dubuque. Iowa's nonmetro area, which accounted for a high 36 percent of the state's employment in 2019, was average on the 2019 share and above the nonmetro average on the change in share.

Kansas

The 2019 STEM share of 4.75 percent in Kansas was less than the national average, ranking 32nd among the states. The share was 0.07 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Kansas of 0.51 percentage points was less than the U.S. average and ranked 34th. The change in share was 0.20 percentage points less than expected.

In 2019, the STEM share in Kansas was below average in all six categories, but was not particularly low in any. Kansas ranked ninth in the science technician category on the 2005-to-2019 change in share, but was average or below average in the other categories, including third lowest in engineering.

The expected STEM share in Kansas in 2019 was below average. The Kansas portion of Metro Kansas City accounted for one-third of the state's employment in 2019. Its share was above the SC1 average and higher than in the Missouri portion of the metro area. The 2005-to-2019 change in share was average, but less than in the Missouri portion. In Metro Wichita (SC3), the 2019 share was above the size-class average, but the share dropped between 2005 and 2019, the second-worst performance in the size class. Three other metro areas, each in size classes 5 or 6, are wholly or primarily in Kansas. All three had an above-average share in 2019; the Topeka (SC5) and Lawrence (SC6) areas ranked in the top 20 percent on the change in share. The nonmetro area of Kansas was below the nonmetro average on the 2019 share but a little above average on the change in share.

Kentucky

The 2019 STEM share of 3.71 percent in Kentucky was considerably less than the national average, ranking fifth lowest among the states. The share was 0.74 percentage points lower than expected, the 10th-worst negative differential among the states. The increase in STEM share between 2005 and 2019 in Kentucky of 0.46 percentage points ranked 39th. The change in share was 0.17 percentage points less than expected.

In 2019, the STEM share in Kentucky was below average in all six categories, including bottom-10 rankings in computer, science, and science technician. Kentucky was below average on the 2005-to-2019 change in share in the computer, math, science, and science technician categories.

The expected STEM share in Kentucky in 2019 was considerably below average since employment was dispersed across the state. Louisville (SC2) was the largest metro area; the portion in Kentucky was below the size-class average on the 2019 share but was above average on the change in share. The 2019 share was below the size-class average in each of the other eight metro areas wholly or partially within the state except for Elizabethtown (SC6). The change in share was below average in most of the metro areas, but was above average in the Bowling Green (SC5) and Elizabethtown areas. Kentucky's nonmetro area, which accounted for a high 31 percent of the state's employment in 2019, was below the nonmetro average on both the 2019 share and the change in share.

Louisiana

Louisiana's STEM share of 3.25 percent in 2019 was third lowest among the states. The share was 1.46 percentage points lower than expected, the third-worst differential among the states. The increase in STEM share between 2005 and 2019 in Louisiana of 0.10 percentage points was the fourth lowest among the states. The change in share was 0.53 percentage points less than expected, the second-largest negative differential among the states.

The 2019 STEM share in Louisiana was below average except in the two technician categories and was the lowest in the country in the computer and math categories. Louisiana ranked in the top 10 in the two technician categories on the 2005-to-2019 change in share, but ranked 50th and 51st in the computer and math categories respectively.

The expected STEM share in Louisiana in 2019 was below average. Louisiana has several moderate-sized metro areas, including Baton Rouge and New Orleans in SC2, Lafayette in SC3,

and Shreveport in SC4. Combined, these four areas accounted for 68 percent of the state's employment in 2019. Each of these metro areas as well as the state's other five metros, were below the size-class average on the 2019 STEM share, including bottom 20 percent rankings for New Orleans, Shreveport, Monroe (SC5), and Hammond (SC6). All nine metro areas had a 2005-to-2019 change in share below the size-class average, including bottom 20 percent rankings for New Orleans and Shreveport. Louisiana's nonmetro area also was below the nonmetro average on the 2019 share and the change in share.

Maine

Maine's STEM share of 4.27 percent in 2019 ranked 39th among the states. The share was 0.28 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Maine of 0.75 percentage points was a little less than the U.S. average and ranked 22nd among the states. The change in share was 0.19 percentage points more than expected.

The 2019 STEM share in Maine was average or below average except for a rank of sixth highest in the engineering technician category; Maine ranked eighth lowest in the science technician category. Maine was above average on the 2005-to-2019 change in share except in the computer category, including a rank of seventh in the engineering category.

The expected STEM share in Maine in 2019 was 10th lowest among the states; Maine has no metro areas in SC1 or SC2. In 2019, Metro Portland (SC3) accounted for 44 percent of the state's employment. It was above the size-class average on the 2019 share and the 2005-to-2019 change in share. The other two metro areas were below the size-class average on the 2019 STEM share, but Metro Lewiston (SC6) was above average on the 2005-to-2019 change in share. Maine's nonmetro area, which accounted for a high 35 percent of the state's employment in 2019, was above the nonmetro average on the 2019 share and the change in share.

Maryland

Maryland's STEM share of 8.47 percent in 2019 was second highest among the states. The share was 2.15 percentage points higher than expected, the fourth-largest positive differential among the states. The increase in STEM share between 2005 and 2019 in Maryland of 1.20 percentage points was fifth highest among the states. The change in share was 0.22 percentage points more than expected.

The 2019 STEM share in Maryland was above average in each category, ranking in the top 10 except in engineering technician. Maryland was among the top 10 states on the 2005-to-2019 change in share in the computer, math, and science categories, but was a little below average in the other three categories.

The expected STEM share in Maryland in 2019 was third highest among the states — Metro Baltimore (SC1) accounted for 50 percent of the state's employment and the portion of Metro Washington D.C. (SC1) in Maryland accounted for another 36 percent. The 2019 share in each was considerably higher than the SC1 average; Metro Baltimore also exceeded the size-class average on the change in share. Among the other four metro areas wholly or primarily in Maryland, Metro California-Lexington Park ranked first in SC6 on the 2019 share and second on the change in share. In contrast, the Salisbury (SC4) and Hagerstown (SC5) metro areas

compared unfavorably on the 2019 share. Maryland's nonmetro area, which accounted for a very low 2 percent of the state's employment in 2019, was a little above the nonmetro average on the 2019 STEM share and on the change in share.

Massachusetts

The STEM share of 7.71 percent in Massachusetts in 2019 ranked fifth among the states. The share was 1.65 percentage points higher than expected, the seventh-largest positive differential among the states. The increase in STEM share between 2005 and 2019 in Massachusetts was 1.44 percentage points was the second highest among the states. The change in share was 0.57 percentage points more than expected, the second-largest positive differential among the states.

In 2019, the STEM share in Massachusetts was above average in each category, ranking among the top 10 states except in engineering technician. Massachusetts was in the top 10 on the 2005-to-2019 change in share in the computer, math, science, and science technician categories, but ranked in the bottom 10 in the engineering technician category.

The expected STEM share in Massachusetts in 2019 was fifth highest among the states as the portion of Metro Boston in Massachusetts accounted for 69 percent of the state's employment in 2019. It was far above the size-class average on the 2019 share and on the 2005-to-2019 change in share. The other four metro areas wholly or primarily in the state varied from somewhat above to somewhat below the size-class average on the 2019 share and the change in share. The nonmetro area of Massachusetts, which accounted for a very low 0.5 percent of the state's employment in 2019, ranked last on the 2019 share but was a little above the nonmetro average on the change in share.

Michigan

The 2019 STEM share of 6.41 percent in Michigan ranked ninth among the states. The share was 1.07 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Michigan of 1.18 percentage points was the seventh highest among the states. The change in share was 0.39 percentage points more than expected, the seventh-largest positive differential among the states.

Michigan ranked first on the 2019 STEM share and the 2005-to-2019 change in share in the engineering category. Ranks were relatively high in the engineering technician category; the other categories were near average.

The expected STEM share in Michigan in 2019 was near average. Metro Detroit accounted for 44 percent of the state's employment in 2019. It ranked seventh in SC1 on the 2019 share and sixth on the 2005-to-2019 change in share. Eight of the state's other 13 metro areas had a 2019 STEM share above the size-class average, including top 20 percent ranks in Ann Arbor and Lansing (each in SC3) and in Jackson, Midland, and Monroe (each in SC6). However, the share in Metro Grand Rapids, the state's second-largest metro area, was below the SC2 average. The change in share was above average in most of the state's metro areas, including top 20 percent ranks in the SC3 metros of Ann Arbor and Lansing, and the SC6 metros of Battle Creek, Jackson, Monroe, Muskegon, and Niles. Michigan's nonmetro area also was above the nonmetro average on the 2019 share and the change in share (rank of sixth).

Minnesota
The 2019 STEM share of 6.00 percent in Minnesota ranked 11th among the states. The share was 0.49 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Minnesota of 0.93 percentage points was the 15th highest among the states. The change in share was 0.08 percentage points more than expected.

In 2019, the STEM share in Minnesota was above average in each category except science technician and ranked ninth in engineering technician. Minnesota was above average on the 2005-to-2019 change in share except in the computer category and ranked in the top 10 in science and math.

The expected STEM share in Minnesota in 2019 was average but ranked above the middle of the states. The portion of Metro Minneapolis in Minnesota accounted for 65 percent of the state's employment in 2019. It was above the SC1 average on the 2019 share and the 2005-to-2019 change in share. Of the other four metro areas wholly or primarily in Minnesota, the 2019 STEM share was above the size-class average only in Mankato (SC6). The 2005-to-2019 change in share was above average in the Duluth (SC4) and St. Cloud (SC5) areas, but was second lowest in SC4 in Metro Rochester. Minnesota's nonmetro area was near the nonmetro average on the 2019 share and the change in share.

Mississippi
The 2019 STEM share of 2.99 percent in Mississippi was the lowest among the states. The share was 0.92 percentage points lower than expected, the seventh-largest negative differential among the states. The increase in STEM share between 2005 and 2019 in Mississippi of 0.14 percentage points was sixth lowest among the states. The change in share was 0.38 percentage points less than expected, the seventh-largest negative differential among the states.

In 2019, the STEM share in Mississippi was below average in each of the six categories, including bottom-10 ranks in the computer, math, engineering, engineering technician, and science technician categories. Mississippi also was below average in each category on the 2005-to-2019 change in share, ranking in the bottom 10 in the computer and math categories.

The expected STEM share in Mississippi in 2019 was eighth lowest among the states as employment was dispersed across the state. Jackson (SC3) is the largest metro area. Each of the three metro areas was below the size-class average on the 2019 share and the 2005-to-2019 change in share except for Gulfport (SC4) on the 2019 share. Mississippi's nonmetro area, which accounted for a very high 47 percent of the state's employment, was below average on the 2019 share and the change in share, with the latter the lowest in the country.

Missouri
The 2019 STEM share of 4.98 percent in Missouri was less than the national average and ranked 28th among the states. The share was 0.48 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in Missouri of 0.95 percentage points was greater than the U.S. average and ranked 14th among the states. The change in share was 0.11 percentage points more than expected.

In 2019, the STEM share in Missouri was below average in each of the six categories, including sixth lowest in the engineering technician category. Missouri was above average in the computer, engineering, and engineering technician categories on the 2005-to-2019 change in share.

The expected STEM share in Missouri in 2019 was near average. The portion of Metro St. Louis in Missouri accounted for 39 percent of the state's employment in 2019. It was below the SC1 average on the 2019 share and the 2005-to-2019 change in share. The portion of Metro Kansas City in Missouri accounted for 20 percent of the state's employment in 2019. It was below the SC1 average on the 2019 share but above average on the change in share. Of the other six metro areas wholly or primarily in Missouri, the 2019 STEM share was above the size-class average in Columbia and Jefferson City (each in SC5), but ranked in the bottom 20 percent in Metro Joplin (SC5). The 2005-to-2019 change in share was above average in four of the metro areas, including top 20 percent ranks in Metro Springfield (SC3) and Metro Jefferson City. Missouri's nonmetro area had the third-smallest share in 2019, but was near the nonmetro average on the change in share.

Montana

The 2019 STEM share of 4.28 percent in Montana ranked 38th among the states. However, the share was 0.95 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Montana of 0.47 percentage points also ranked 38th among the states. The change in share was 0.08 percentage points more than expected.

In 2019, the STEM share in Montana ranked in the top 10 in the science and science technician categories but in the bottom 10 in the computer, math, and engineering categories. Montana was above average in the engineering, engineering technician, and science (eighth highest) categories on the 2005-to-2019 change in share, but ranked in the bottom 10 in the other three categories.

The expected STEM share in Montana in 2019 was second lowest among the states since Montana does not have any metro areas in size classes 1 through 4. Employment in 2019 was dispersed across the state. Of the three metro areas, the 2019 share was above the size-class average only in Missoula (SC6). The Great Falls (SC6) and Missoula areas had above-average changes in share. Montana's nonmetro area, which accounted for a very high 59 percent of the state's employment, ranked fourth on the 2019 share and 12th on the change in share.

Nebraska

The 2019 STEM share of 4.75 percent in Nebraska ranked 31st among the states. However, the share was 0.25 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Nebraska of 0.72 percentage points was a little less than the U.S. average and ranked 26th among the states. The change in share was 0.13 percentage points more than expected.

In 2019, the STEM share in Nebraska was below average in each category except math and ranked in the bottom 10 in the engineering and engineering technician categories. Nebraska ranked fifth on the 2005-to-2019 change in share in the engineering technician category and was near average in the other categories.

The expected STEM share in Nebraska in 2019 was below average. The portion of Metro Omaha in Nebraska accounted for 44 percent of the state's employment in 2019. It was above the SC2 average on the 2019 share but below average on the 2005-to-2019 change in share. Metro Lincoln (SC3) was above average on both the 2019 STEM share and the 2005-to-2019 change in share. Grand Island, the only other metro area, was considerably below the SC6 average on both the 2019 share and the change in share. Nebraska's nonmetro area, which accounted for a high 31 percent of the state's employment, ranked among the bottom five states on both the 2019 share and the change in share.

Nevada

The 2019 STEM share of 3.25 percent in Nevada was second lowest among the states. The share was 2.59 percentage points lower than expected, the worst differential among the states. The increase in STEM share between 2005 and 2019 in Nevada of 0.41 percentage points ranked 41st among the states. The change in share was 0.41 percentage points less than expected, the fifth-worst differential among the states.

In 2019, the STEM share in Nevada ranked in the bottom 10 in each category except science technician, which was above average. Nevada was above average on the 2005-to-2019 change in share only in the science technician category.

The expected STEM share in Nevada in 2019 was 10th highest among the states due to the dominance of Metro Las Vegas, which accounted for 73 percent of the state's employment in 2019. It had the second-lowest 2019 STEM share in SC1 and its 2005-to-2019 change in share was below average. Metro Reno (SC3) was below average on the 2019 STEM share but above average on the 2005-to-2019 change in share. Carson City, the only other metro area, was considerably above the SC6 average on the 2019 share and also above average on the change in share. Nevada's nonmetro area, which accounted for a low 7 percent of the state's employment, ranked sixth on the 2019 share but third lowest on the change in share.

New Hampshire

The 2019 STEM share of 6.39 percent in New Hampshire ranked 10th among the states. The share was 1.64 percentage points higher than expected, the eighth-best differential among the states. The increase in STEM share between 2005 and 2019 in New Hampshire of 1.23 percentage points was third highest among the states. The change in share was 0.46 percentage points more than expected, the sixth-best differential among the states.

In 2019, the STEM share in New Hampshire ranked in the top 10 in the computer, engineering, and engineering technician categories, but the share was below average in the other categories. New Hampshire was equal to or above average on the 2005-to-2019 change in share in each category, ranking in the top 10 in the engineering and science technician categories.

The expected STEM share in New Hampshire in 2019 was below average. Metro Manchester accounted for 30 percent of the state's employment in 2019. It ranked sixth in SC3 on the 2019 share and 12th on the 2005-to-2019 change in share. The portion of Metro Boston in New Hampshire also accounted for 30 percent of the state's employment. It was below the SC1

average on the 2019 share but above average on the change in share, inferior to the portion in Massachusetts in each case. New Hampshire's nonmetro area, which accounted for a high 36 percent of the state's employment, ranked among the top three states on the 2019 share and the change in share.

New Jersey

The 2019 STEM share of 5.89 percent in New Jersey ranked 14th among the states. However, the share was 0.46 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in New Jersey of 0.48 percentage points was less than the U.S. average and ranked 37th among the states. The change in share was 0.50 percentage points less than expected, the third-worst differential among the states.

In 2019, the STEM share in New Jersey ranked in the top 10 in the computer and science categories, but was considerably below average in the engineering and engineering technician (second lowest) categories. New Jersey was not above average on the 2005-to-2019 change in share in any category and ranked in the bottom 10 in engineering.

The expected STEM share in New Jersey in 2019 was second highest among the states since New Jersey had the second-highest share of employment in SC1. The portion of Metro New York City in New Jersey accounted for 71 percent of the state's employment in 2019. It was below the SC1 average on the 2019 share and the 2005-to-2019 change in share, though the 2019 share was considerably higher in the New Jersey portion of the metro area than the New York portion. Of the four other metro areas in the state, Metro Trenton ranked fourth in SC3 on the 2019 share and second on the change in share. Metro Atlantic City was considerably below the SC4 average on the 2019 share but was slightly above average on the 2005-to-2019 change in share. The Ocean City and Vineland metro areas ranked at the bottom of SC6 on the 2019 share and not much higher on the change in share. New Jersey has no nonmetropolitan area.

New Mexico

The 2019 STEM share of 5.51 percent in New Mexico was equal to the national average and ranked 18th among the states. The share was 1.10 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in New Mexico of 0.38 percentage points was 10th lowest among the states. The change in share was 0.24 percentage points less than expected.

In 2019, the STEM share in New Mexico ranked in the top 10 in the engineering, engineering technician, science, and science technician categories, but was considerably below average in the computer and math categories. New Mexico ranked fourth on the 2005-to-2019 change in share in the science category, but ranked among the bottom 11 states in the computer, math, engineering technician, and science technician categories.

The expected STEM share in New Mexico in 2019 was considerably below average. Metro Albuquerque accounted for 45 percent of the state's employment in 2019. It was above the SC2 average on the 2019 STEM share but was second lowest on the 2005-to-2019 change in share. In the other three metro areas, the 2019 share was above average in Las Cruces (SC5) and Santa Fe (SC6), but the change in share was below average in each, including ranks in the bottom 20 percent in the Las Cruces and Farmington (SC6) areas. New Mexico's nonmetro area, which

accounted for a high 30 percent of the state's employment, ranked among the top two states on both the 2019 share and the change in share.

New York

The 2019 STEM share of 4.54 percent in New York ranked 34th among the states. The share was 1.39 percentage points lower than expected, the fourth-worst differential among the states. The increase in STEM share between 2005 and 2019 in New York of 0.53 percentage points was less than the U.S. average and ranked 33rd among the states. The change in share was 0.36 percentage points less than expected, the eighth-worst differential among the states.

In 2019, the STEM share in New York was not above average in any of the six categories and ranked among the bottom 10 states in the engineering, engineering technician, and science categories. New York was above average on the 2005-to-2019 change in share only in the engineering technician category and was 10th lowest in engineering.

The expected STEM share in New York in 2019 was seventh highest among the states since the portion of Metro New York City in New York accounted for 67 percent of the state's employment in 2019 and the state has three metro areas in SC2. The New York portion of Metro New York City was considerably below the SC1 average on the 2019 share and below average on the 2005-to-2019 change in share. Of the 12 other metro areas in the state, five had a 2019 share above the size-class average, including top 20 percent ranks in the Albany (SC2), Binghamton (SC5), and Ithaca (SC6) areas. However, Metro Kingston (SC6) ranked in the bottom 20 percent. The change in share was above average in four metros, including ranks in the top 20 percent in the Albany and Ithaca areas. The Poughkeepsie (SC3), Utica (SC4), Binghamton, and Kingston areas ranked in the bottom 20 percent on the change in share. New York's nonmetro area, which accounted for a low 5 percent of the state's employment, was slightly above the nonmetro average on both the 2019 share and the change in share.

North Carolina

The 2019 STEM share of 5.44 percent in North Carolina was slightly less than the national average but ranked 21st among the states. The share was 0.39 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in North Carolina of 1.19 percentage points was sixth highest among the states. The change in share was 0.35 percentage points more than expected, the eighth-best differential among the states.

In 2019, the STEM share in North Carolina ranked near the middle of the states in each of the six categories. North Carolina was average or above average on the 2005-to-2019 change in share in each category, with a rank of 10th in the computer category.

The expected STEM share in North Carolina in 2019 was somewhat below average since employment was dispersed across the state. The portion of Metro Charlotte in North Carolina accounted for 23 percent of the state's employment in 2019. It was below the SC1 average on the 2019 share but above average on the 2005-to-2019 change in share. Of the 14 other metro areas wholly or primarily in the state, only four had a 2019 share above the size-class average, but this included Durham (first in SC2) and Raleigh (second in SC2). In contrast, Metro Greensboro (SC2) ranked in the bottom 20 percent. The change in share was above average in six metros,

including Raleigh (second in SC2) and Wilmington (ninth in SC4). Three metro areas ranked in the bottom 20 percent of their size class: Fayetteville (SC3), Jacksonville (SC5), and New Bern (SC6). North Carolina's nonmetro area was below the nonmetro average on the 2019 share and average on the change in share.

North Dakota

The 2019 STEM share of 3.86 percent in North Dakota was ninth lowest among the states. However, the share was 0.40 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in North Dakota of 0.13 percentage points was fourth lowest among the states. The change in share was 0.25 percentage points less than expected.

In 2019, the STEM share in North Dakota ranked among the bottom-11 states in the computer, math, and engineering categories, but the share was somewhat above average in the other three categories. North Dakota ranked first on the 2005-to-2019 change in share in the engineering technician category, but was among the bottom-10 states in the computer, math, and science categories.

The expected STEM share in North Dakota in 2019 was third lowest among the states since the state has no metro areas in size classes 1 through 3.The portion of Metro Fargo in North Dakota accounted for 27 percent of the state's employment in 2019. It was considerably above the SC4 average on the 2019 share but below average on the 2005-to-2019 change in share. Metro Bismarck (SC5) also was well above average on the 2019 STEM share but below average on the 2005-to-2019 change in share. Grand Forks, the only other metro area, was below the SC6 average on the 2019 share and the change in share. North Dakota's nonmetro area, which accounted for a high 47 percent share of the state's 2019 employment, was a bit below the nonmetro average on both the 2019 share and the change in share.

Ohio

The 2019 STEM share of 5.21 percent in Ohio was less than the national average but ranked 23rd among the states. The share was 0.26 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in Ohio of 1.03 percentage points was 11th highest among the states. The change in share was 0.18 percentage points more than expected.

In 2019, the STEM share in Ohio ranked near the middle of the states in each of the six categories. Ohio was above average on the 2005-to-2019 change in share except in the science category, including top-10 ranks in math and science technician.

The expected STEM share in Ohio in 2019 was near average. Ohio has three metro areas in SC1 that combined accounted for 53 percent of the state's employment in 2019. The 2019 share in Metro Columbus equaled the size-class average, the portion of Metro Cincinnati in Ohio had a slightly below-average share, and Metro Cleveland's share was further below average. The 2005-to-2019 change in share was average in each of these three metro areas. Of the other eight metro areas wholly or primarily in Ohio, the 2019 STEM share was above the size-class average only in two: Metro Dayton ranked fifth in SC2 and Metro Springfield ranked in the top 20 percent of SC6. Each of these metros, as well as Akron (SC2), ranked high on the 2005-to-2019 change in share. Ohio's nonmetro area was above average on the 2019 share and the change in share.

Oklahoma
The 2019 STEM share of 4.40 percent in Oklahoma was less than the national average and ranked 36th among the states. The share was 0.24 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in Oklahoma of 0.49 percentage points ranked 36th among the states. The change in share was 0.12 percentage points less than expected.

In 2019, the STEM share in Oklahoma was above average only in the two technician categories. Oklahoma was above average on the 2005-to-2019 change in share only in the engineering and engineering technician (eighth highest) categories. The change in the science category was third lowest among the states.

The expected STEM share in Oklahoma in 2019 was below average. Oklahoma has two metro areas in SC2 that combined accounted for 65 percent of the state's employment in 2019. Metro Oklahoma City was below average on the 2019 share and the 2005-to-2019 change in share. Metro Tulsa was below average on the 2019 share but above average on the change in share. The only other metro areas wholly or primarily in Oklahoma are in size class six. Both had a below-average share in 2019; Enid ranked near the bottom on the change in share. Oklahoma's nonmetro area was somewhat below the nonmetro average on the 2019 share and the change in share.

Oregon
The 2019 STEM share of 5.84 percent in Oregon was more than the national average and ranked 15th among the states. The share was 0.57 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Oregon of 0.86 percentage points was slightly more than the U.S. average and ranked 17th among the states. The change in share was 0.09 percentage points more than expected.

In 2019, the STEM share in Oregon was below average in the computer and math categories, but above average in the other categories, including top five ranks in the two technician categories. Oregon was below average on the 2005-to-2019 change in share only in the computer category. The change in the science technician category was fifth highest among the states.

The expected STEM share in Oregon in 2019 was near average. The portion of Metro Portland in Oregon accounted for 53 percent of the state's employment in 2019. It was above the SC1 average on the 2019 share and the change in share between 2005 and 2019. Of the other seven metro areas in Oregon, only Corvallis (third highest in SC6) had a 2019 share above the size-class average and only Bend (SC5) had an above-average change in share. The change in share ranked near the bottom in Metro Eugene (SC4) and Metro Corvallis. Oregon's nonmetro area was average on the 2019 share and somewhat below the nonmetro average on the change in share.

Pennsylvania
The 2019 STEM share of 5.18 percent in Pennsylvania was less than the national average but ranked 24th among the states. The share was 0.37 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in Pennsylvania of 0.85 percentage points was

slightly greater than the U.S. average and ranked 18th among the states. The change in share was 0.02 percentage points less than expected.

In 2019, the STEM share in Pennsylvania was above average only in the math and science categories. Pennsylvania was above average on the 2005-to-2019 change in share except in the computer category. The changes in the math and engineering technician categories ranked ninth highest.

The expected STEM share in Pennsylvania in 2019 was above average. The portion of Metro Philadelphia in Pennsylvania accounted for 33 percent of the state's employment in 2019. It was below the SC1 average on the 2019 share and the change in share between 2005 and 2019. Metro Pittsburgh, also in SC1, was below average on the 2019 share but ranked seventh in the size class on the change in share. Of the other 16 metro areas wholly or primarily in Pennsylvania only four had a 2019 share above the size-class average: Harrisburg (SC2), Reading (SC4), York (SC4), and State College (SC5). The change in share was above average in six of the metro areas: Reading (10th in SC4), York, State College, and the SC6 areas of Bloomsburg, Chambersburg, and Williamsport. However, the Scranton (SC3), Gettysburg (SC6), and Johnstown (SC6) metro areas ranked in the bottom 20 percent of their size class. Pennsylvania's nonmetro area, which accounted for a low 9 percent of the state's employment in 2019, was below the nonmetro average on the 2019 share but a little above average on the change in share.

Rhode Island

The 2019 STEM share of 5.51 percent in Rhode Island was equal to the national average and ranked 17th among the states. The share was 0.03 percentage points less than expected. The increase in STEM share between 2005 and 2019 in Rhode Island of 0.72 percentage points was a little less than the U.S. average and ranked 25th among the states. The change in share was 0.02 percentage points less than expected.

In 2019, the STEM share in Rhode Island was near average in each of the six categories. The 2005-to-2019 change in share in Rhode Island also ranked near the middle of the states in each category.

The expected STEM share in Rhode Island in 2019 was a little above average since the portion of Metro Providence in Rhode Island accounted for all of the state's employment. It was slightly below the SC2 average on the 2019 share and the change in share between 2005 and 2019.

South Carolina

The 2019 STEM share of 4.39 percent in South Carolina was less than the national average, ranking 37th among the states. The share was 0.63 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in South Carolina of 0.89 percentage points was somewhat greater than the U.S. average and ranked 16th among the states. The change in share was 0.17 percentage points more than expected.

In 2019, the STEM share in South Carolina was above average only in the engineering and engineering technician categories. The state ranked in the bottom 10 in the math, science, and science technician categories. South Carolina ranked among the top four states on the 2005-to-

2019 change in share in the engineering and engineering technician categories, but ranked 10th lowest in the math category.

The expected STEM share in South Carolina in 2019 was below average since employment in 2019 was dispersed across the state. The state does not have a metro area in SC1 but has three in SC2: Charleston, Columbia, and Greenville. The 2019 share was below average in each of the eight metro areas wholly or primarily in the state, with Hilton Head (SC5) ranking in the bottom 20 percent. Three metro areas were above the size class average on the 2005-to-2019 change in share, with the SC2 metros of Charleston and Greenville ranking in the top 20 percent. South Carolina's nonmetro area was above the nonmetro average on the 2019 share and the change in share.

South Dakota

The 2019 STEM share of 3.74 percent in South Dakota was the seventh lowest among the states but the share was 0.25 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in South Dakota of 0.73 percentage points was somewhat less than the U.S. average but ranked 23rd among the states. The change in share was 0.34 percentage points more than expected, the ninth-largest positive differential among the states.

In 2019, the STEM share in South Dakota was above average only in the science and science technician categories. The state ranked in the bottom 10 in the math, engineering, and engineering technician categories. South Dakota ranked among the top 10 states on the 2005-to-2019 change in share in the engineering, science, and science technician categories, but was seventh lowest in the math category.

The expected STEM share in South Dakota in 2019 was fourth lowest among the states since employment in 2019 was dispersed across the state, with only two metro areas — in SCs 4 and 5. The 2019 share was above average in the Sioux Falls (SC4) metro area but below average in the Rapid City (SC5) area. Both metro areas were above the size-class average on the 2005-to-2019 change in share, with Sioux Falls ranking in the top 20 percent. South Dakota's nonmetro area, which accounted for a very high 48 percent of the state's employment in 2019, was above the nonmetro average on the 2019 share and the change in share, ranking seventh on the latter.

Tennessee

The 2019 STEM share of 3.91 percent in Tennessee was considerably less than the national average and ranked 41st among the states. The share was 1.29 percentage points lower than expected, the fifth-worst differential among the states. The increase in STEM share between 2005 and 2019 in Tennessee of 0.53 percentage points was less than the U.S. average and ranked 32nd among the states. The change in share was 0.25 percentage points less than expected.

In 2019, the STEM share in Tennessee was below average in four categories, ranking among the bottom-10 states in the engineering and science categories. Tennessee was above average on the 2005-to-2019 change in share only in the engineering technician category.

The expected STEM share in Tennessee in 2019 was below average but ranked in the middle of the states. Metro Nashville accounted for 32 percent of the state's employment in 2019. It ranked

in the bottom 20 percent of SC1 on the 2019 STEM share and below average on the 2005-to-2019 change in share. The state's two metro areas in SC2 — Knoxville and the portion of Memphis in Tennessee — were below the size-class average on both the 2019 share and the change in share. Of the other seven metro areas wholly or primarily in the state, the 2019 share was above average only in Kingsport (SC4). The change in share was above average only in Metro Kingsport and Metro Johnson City (SC5). Tennessee's nonmetro area was below the nonmetro average on the 2019 share and the change in share.

Texas

The 2019 STEM share of 5.49 percent in Texas was nearly equal to the national average and ranked 19th among the states. The share was 0.31 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in Texas of 0.73 percentage points was a little less than the national average but ranked 24th among the states. The change in share was 0.20 percentage points less than expected.

In 2019, the STEM share in Texas was above the U.S. average in the engineering, engineering technician (eighth highest), and science technician categories. Texas was average or below average on the 2005-to-2019 change in share in each category, ranking eighth lowest in science.

The expected STEM share in Texas in 2019 was 11th highest among the states. Texas has four metro areas (Austin, Dallas, Houston, and San Antonio) in SC1. Combined, these four metro areas accounted for 69 percent of the state's employment in 2019. The 2019 STEM share was substantially greater than the size-class average in Austin (rank of fifth) but below average in the others, with San Antonio ranking fourth lowest. The 2005-to-2019 change in share was above average in Austin but below average in the others, with Houston and San Antonio ranking among the bottom six. Of the other 21 metro areas wholly or primarily in Texas, only three had a 2019 share greater than the size-class average: Beaumont (SC4), College Station (rank of fourth in SC4), and Midland (fifth in SC5). The El Paso (SC2), McAllen (SC3), Amarillo (SC4), Brownsville (SC4), and Laredo (SC5) metro areas ranked in the bottom 20 percent of their size class. Only five metro areas, including Midland (second in SC5), had an above-average change in share. The El Paso, Brownsville, Killeen (SC4), Waco (SC4), Tyler (SC5) and Sherman (SC6) areas ranked in the bottom 20 percent of the size class. The nonmetro area of Texas, which accounted for a low 8 percent of the state's employment in 2019, was below the nonmetro average on the 2019 share but above average on the change in share.

Utah

Utah's 2019 STEM share of 6.46 percent was eighth highest among the states, 1.68 percentage points more than expected — the sixth-highest positive differential among the states. The increase in STEM share between 2005 and 2019 in Utah of 1.08 percentage points was ninth highest among the states and 0.55 percentage points more than expected, the third-highest positive differential among the states.

The 2019 share in Utah was average or above average in each category; ranking among the top 10 states in the computer, math, engineering technician, and science technician categories. Utah near average on the 2005-to-2019 change in share except for a rank of fourth in the computer category and a rank of 45th in the science technician category.

The expected STEM share in Utah in 2019 was below average. Metro Salt Lake City (SC2) accounted for 48 percent of the employment in Utah in 2019. It ranked fourth in the size class on the 2019 share and fifth on the change in share between 2005 and 2019. Of the other four metro areas wholly or primarily in Utah, Ogden (SC3), Provo (SC3), and Logan (SC6) were substantially above the size-class average on the 2019 share. The exception was Metro St. George (SC5). On the 2005-to-2019 change in share, only Metro Ogden was below the size-class average, with Metro Provo ranking third. Utah's nonmetro area, which accounted for a low 9 percent of the state's employment in 2019, ranked 10th on the 2019 share and slightly above the nonmetro average on the change in share.

Vermont

The 2019 STEM share of 4.79 percent in Vermont was less than the national average and ranked 30th among the states. However, the share was 1.24 percentage points higher than expected, the 10th-best differential among the states. The increase in STEM share between 2005 and 2019 in Vermont of 0.57 percentage points was less than the national average and ranked 31st among the states. The change in share was 0.05 percentage points more than expected.

In 2019, the STEM share in Vermont was above average only in the engineering technician category. Vermont was above average on the 2005-to-2019 change in share only in the science and science technician categories, and ranked fifth lowest in the engineering category.

The expected STEM share in Vermont in 2019 was fifth lowest among the states since the nonmetro area accounted for a very high 59 percent of the state's employment. Metro Burlington, the state's only metro area, ranked seventh in SC4 on the 2019 share and was above average on the 2005-to-2019 change in share. Vermont's nonmetro area ranked seventh on the 2019 share and 11th on the change in share.

Virginia

Virginia's STEM share of 7.93 percent in 2019 was fourth highest among the states. The share was 2.41 percentage points higher than expected, the third-largest positive differential among the states. The increase in STEM share between 2005 and 2019 in Virginia of 1.21 percentage points was fourth highest in the nation. The change in share was 0.33 percentage points more than expected, the 10th-largest positive differential among the states.

The 2019 STEM share in Virginia was above average except in the science and science technician categories, ranking in the top three in the computer and math categories. Virginia was among the top three states on the 2005-to-2019 change in share in the computer and math categories, but was below average in the other categories, including bottom-10 ranks in engineering technician and science.

The expected STEM share in Virginia in 2019 was average but ranked above the middle of the states. The portion of Metro Washington D.C. in Virginia accounted for 36 percent of the state's employment. Its 2019 share was considerably higher than the SC1 average and the change in share between 2005 and 2019 was above average. The portion of Metro Virginia Beach in Virginia accounted for 20 percent of the state's employment. It was above the SC2 average on

the 2019 share but a little below average on the change in share. Among the other eight metro areas wholly or primarily in Virginia, the 2019 share was above the size-class average in five, including ranks in the top 20 percent in Charlottesville (SC4) and Blacksburg (SC6). The change in share was greater than the size-class average in five of these metros, including ranks in the top 20 percent in Charlottesville and Lynchburg (SC5). Virginia's nonmetro area, which accounted for a low 9 percent of the state's employment in 2019, ranked fifth in 2019; the change in share ranked third.

Washington

The 2019 STEM share of 8.00 percent in Washington ranked third among the states. The share was 2.46 percentage points higher than expected, the second-largest positive differential among the states. The increase in STEM share between 2005 and 2019 in Washington of 1.60 percentage points was the highest among the states. The change in share was 0.82 percentage points more than expected, the largest positive differential among the states.

In 2019, the STEM share in Washington was above average in each of the six categories, with top-10 ranks in the computer, math, engineering, and science categories. Washington was above average on the 2005-to-2019 change in share only in the computer and math categories, each of which ranked in the top 10. The change in the engineering technician category was fourth lowest among the states.

The expected STEM share in Washington in 2019 was barely above average but ranked 14th among the states. Metro Seattle accounted for 59 percent of the state's employment in 2019. It ranked second in SC1 on the 2019 share and third on the change in share between 2005 and 2019. Of the other 10 metro areas wholly in Washington, five had a 2019 share above the size-class average, including top-five ranks in Kennewick (SC4), Olympia (SC4), and Bremerton (SC5). The change in share was above average in five of these metros, including ranks in the top 20 percent in Olympia, Mount Vernon (SC6), and Walla Walla (SC6). Washington's nonmetro area, which accounted for a low 7 percent of the state's employment in 2019, ranked near the bottom of the nonmetro areas on the 2019 share and the change in share.

West Virginia

West Virginia's STEM share of 3.72 percent in 2019 was sixth lowest among the states. The share was 0.20 percentage points lower than expected. The increase in STEM share between 2005 and 2019 in West Virginia of 0.44 percentage points ranked 40th among the states. The change in share was 0.21 percentage points less than expected.

The 2019 STEM share in West Virginia was below average except in the science and science technician categories, ranking in the bottom 10 in the computer and engineering categories. West Virginia was average or below average on the 2005-to-2019 change in share except in the engineering technician category.

The expected STEM share in West Virginia in 2019 was sixth lowest among the states as employment was dispersed across the state; no metro areas are in SCs 1 through 3. Of the seven metro areas wholly or primarily in West Virginia, the 2019 share was above the size-class average in two, including a rank in the top 20 percent in Morgantown (SC6). Metro Beckley

ranked in the bottom 20 percent of SC6. The change in share was greater than the size-class average in three of these metros, but Metro Beckley ranked in the bottom 20 percent of SC6. West Virginia's nonmetro area's 2019 STEM share was slightly greater than the nonmetro average; the change in share was average.

Wisconsin

The 2019 STEM share of 5.17 percent in Wisconsin was less than the national average but ranked 25th among the states. The share was 0.59 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Wisconsin of 1.14 percentage points was the eighth highest among the states. The change in share was 0.52 percentage points more than expected, the fourth-largest positive differential among the states.

In 2019, the STEM share in Wisconsin was above average only in the engineering category. Wisconsin ranked among the top 11 states on the 2005-to-2019 change in share in the engineering, engineering technician, science, and science technician categories.

The expected STEM share in Wisconsin in 2019 was below average. Metro Milwaukee accounted for 29 percent of the state's employment in 2019. It was above the SC2 average on the 2019 share and the change in share between 2005 and 2019. Metro Madison ranked third in SC2 on the 2019 share and first on the change in share. Of the other 10 metro areas wholly or primarily in Wisconsin, all but one had a 2019 share above the size-class average, including ranks in the top 20 percent in Oshkosh (SC5), Fond du Lac (SC6), and Sheboygan (SC6). The change in share also was above average in all but one of these metros, including ranks in the top 20 percent in Appleton (SC4), Green Bay (SC4), Oshkosh, Racine (SC5), Wausau (SC5), Fond du Lac, and Sheboygan. Wisconsin's nonmetro area was above the nonmetro average on the 2019 share and ranked ninth on the change in share.

Wyoming

The 2019 STEM share of 3.77 percent in Wyoming was eighth lowest among the states, but the share was 0.57 percentage points higher than expected. The increase in STEM share between 2005 and 2019 in Wyoming of 0.07 percentage points was second lowest among the states. The change in share was 0.35 percentage points less than expected, the 10th-largest negative differential among the states.

In 2019, the STEM share in Wyoming was above average only in the science and science technician categories, ranking in the top 10 in each. The state ranked in the bottom 10 in the computer and math categories. The 2005-to-2019 change in share was not above average in any category and ranked among the bottom-four states in the computer, math, and science technician categories.

The expected STEM share in Wyoming in 2019 was the lowest of all states, as two-thirds of the state's employment was in the nonmetro area. The state's only two metro areas are in SC6. Metro Cheyenne ranked in the top 20 percent on the 2019 share but was below average on the 2005-to-2019 change in share. Metro Casper was below average on the 2019 share and the change in share. Wyoming's nonmetro area ranked eighth on the 2019 share but 40th on the change in share.

APPENDIX A
SOURCES OF DEFINITIONS OF STEM OCCUPATIONS

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APPENDIX B: STEM OCCUPATIONS

Emsi Occupation	Description
	COMPUTER CATEGORY
11-3021	Computer and Information Systems Managers
15-1211	Computer Systems Analysts
15-1212	Information Security Analysts
15-1221	Computer and Information Research Scientists
15-1231	Computer Network Support Specialists
15-1232	Computer User Support Specialists
15-1241	Computer Network Architects
15-1244	Network and Computer Systems Administrators
15-1245*	Database Administrators; and Database Architects
15-1251	Computer Programmers
15-1256**	Software Developers; and Software Quality Assurance Analysts and Testers
15-1257***	Web Developers; and Web and Digital Interface Designers
15-1299	Computer Occupations, All Other
	MATH CATEGORY
15-2011	Actuaries
15-2021	Mathematicians
15-2031	Operations Research Analysts
15-2041	Statisticians
15-2098****	Data Scientists; and Mathematical Science Occupations, All Other
	ENGINEERING CATEGORY
11-9041	Architectural and Engineering Managers
17-2011	Aerospace Engineers
17-2021	Agricultural Engineers
17-2031	Bioengineers and Biomedical Engineers
17-2041	Chemical Engineers
17-2051	Civil Engineers
17-2061	Computer Hardware Engineers
17-2071	Electrical Engineers
17-2072	Electronics Engineers, Except Computer
17-2081	Environmental Engineers
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors
17-2112	Industrial Engineers
17-2121	Marine Engineers and Naval Architects
17-2131	Materials Engineers
17-2141	Mechanical Engineers
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers
17-2161	Nuclear Engineers
17-2171	Petroleum Engineers
17-2199	Engineers, All Other
	ENGINEERING TECHNICIAN CATEGORY
17-3011	Architectural and Civil Drafters
17-3012	Electrical and Electronics Drafters
17-3013	Mechanical Drafters
17-3019	Drafters, All Other
17-3021	Aerospace Engineering and Operations Technologists and Technicians
17-3022	Civil Engineering Technologists and Technicians
17-3023	Electrical and Electronic Engineering Technologists and Technicians
17-3024	Electro-Mechanical & Mechatronics Technologists and Technicians
17-3025	Environmental Engineering Technologists and Technicians
17-3026	Industrial Engineering Technologists and Technicians
17-3027	Mechanical Engineering Technologists and Technicians
17-3031	Surveying and Mapping Technicians
17-3098^	Calibration Technologists and Technicians; and Engineering Technologists and Technicians, Except Drafters, All Other

(continued)

APPENDIX B: STEM OCCUPATIONS (continued)

Emsi Occupation	Description
	SCIENCE CATEGORY
11-9121	Natural Sciences Managers
19-1011	Animal Scientists
19-1012	Food Scientists and Technologists
19-1013	Soil and Plant Scientists
19-1021	Biochemists and Biophysicists
19-1022	Microbiologists
19-1023	Zoologists and Wildlife Biologists
19-1029	Biological Scientists, All Other
19-1031	Conservation Scientists
19-1032	Foresters
19-1041	Epidemiologists
19-1042	Medical Scientists, Except Epidemiologists
19-1099	Life Scientists, All Other
19-2011	Astronomers
19-2012	Physicists
19-2021	Atmospheric and Space Scientists
19-2031	Chemists
19-2032	Materials Scientists
19-2041	Environmental Scientists and Specialists, Including Health
19-2042	Geoscientists, Except Hydrologists and Geographers
19-2043	Hydrologists
19-2099	Physical Scientists, All Other
	SCIENCE TECHNICIAN CATEGORY
19-4011^^	Agricultural Technicians; and Food Science Technicians
19-4021	Biological Technicians
19-4031	Chemical Technicians
19-4042	Environmental Science and Protection Technicians, Including Health
19-4045^^^	Geological Technicians; and Hydrologic Technicians
19-4051	Nuclear Technicians
19-4071	Forest and Conservation Technicians
19-4092	Forensic Science Technicians
19-4099	Life, Physical, and Social Science Technicians, All Other

* Combination of two Standard Occupational Classification (SOC) occupations: 15-1242 and 15-1243.
** Combination of two SOC occupations: 15-1252 and 15-1253.
*** Combination of two SOC occupations: 15-1254 and 15-1255.
**** Combination of two SOC occupations: 15-2051 and 15-2099.
^ Combination of two SOC occupations: 17-3028 and 17-3029.
^^ Combination of two SOC occupations: 19-4012 and 19-4013.
^^^ Combination of two SOC occupations: 19-4043 and 19-4044.

Sources: Emsi (occupational classification adapted from Executive Office of the President, Office of Management and Budget, “Standard Occupational Classification Manual,” https://www.bls.gov/soc/2018/soc_2018_manual.pdf). Definition of STEM occupations produced by authors.

APPENDIX C
SUMMARY BY STATE OF METROPOLITAN AND NONMETROPOLITAN AREAS

This appendix provides the occupational STEM shares of total employment by category for 2019 and the 2005-to-2019 change in those shares. For states, the nonmetro area, and the "county not reported" (activities in the state that have not been allocated to a particular county), the difference from the national average is shown as well as the rank among the 51 "states." For metro areas, the difference from the size-class average is shown as well as the rank among the metro areas in the size class. A rank of 1 indicates the highest share.

Metro areas that extend into more than one state are listed in each state. The metro area data are for the portion in each state, compared to the size-class average of the entire metro area.

Abbreviations: Engineer Tech: engineering technician category; Science Tech: science technician category; SC: size class.

ALABAMA

2019 Employment: 2,231,859

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.91	2.34	0.06	1.59	0.50	0.24	0.17
Difference from Nation	-0.60	-0.77	-0.06	0.37	0.07	-0.17	-0.04
Rank Among 51 States	29	32	43	6	14	47	46
Change in Share	0.60	0.40	0.02	0.28	-0.10	0.01	-0.01
Difference from Nation	-0.23	-0.35	-0.03	0.19	0.02	-0.05	-0.01
Rank Among 51 States	29	39	43	4	22	43	31

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Anniston-Oxford, AL (2019 Employment: 49,523; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.11	1.04	0.03	1.09	0.39	0.37	0.19
Difference from SC	-0.51	-0.46	-0.03	0.03	-0.03	0.02	-0.04
Rank in SC	61	82	68	35	54	41	59
Change in Share	-0.20	0.04	0.01	-0.04	-0.17	0.04	-0.08
Difference from SC	-0.61	-0.18	-0.02	-0.21	-0.11	-0.01	-0.08
Rank in SC	110	97	77	98	109	60	114

Auburn-Opelika, AL (2019 Employment: 69,020; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.52	1.61	0.03	0.86	0.32	0.42	0.29
Difference from SC	-0.09	0.11	-0.03	-0.19	-0.10	0.07	0.05
Rank in SC	43	32	78	57	79	34	31
Change in Share	0.55	0.36	0.01	0.19	-0.06	0.01	0.04
Difference from SC	0.14	0.14	-0.02	0.01	0.01	-0.04	0.03
Rank in SC	37	28	79	39	56	76	29

Birmingham-Hoover, AL (2019 Employment: 542,322; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.42	2.58	0.07	0.97	0.40	0.22	0.18
Difference from SC	-0.98	-0.32	-0.05	-0.33	-0.09	-0.17	-0.03
Rank in SC	37	25	32	35	31	37	27
Change in Share	0.20	0.18	0.02	0.11	-0.10	0.00	-0.01
Difference from SC	-0.43	-0.35	-0.03	-0.04	0.02	-0.03	0.00
Rank in SC	33	36	39	27	20	32	27

(continued)

ALABAMA (continued)

Daphne-Fairhope-Foley, AL (2019 Employment: 87,929; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.99	0.84	0.01	0.68	0.18	0.19	0.09
Difference from SC	-1.93	-0.95	-0.06	-0.32	-0.26	-0.20	-0.15
Rank in SC	69	67	69	48	69	57	67
Change in Share	0.22	0.21	0.01	0.06	-0.11	0.03	0.02
Difference from SC	-0.11	0.01	-0.02	-0.07	-0.02	-0.02	0.01
Rank in SC	43	31	63	38	45	38	26

Decatur, AL (2019 Employment: 60,900; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.96	1.09	0.02	1.85	0.53	0.25	0.24
Difference from SC	0.35	-0.41	-0.04	0.79	0.11	-0.10	0.01
Rank in SC	31	77	104	11	21	73	40
Change in Share	0.92	0.27	0.01	0.49	0.02	0.05	0.07
Difference from SC	0.51	0.05	-0.02	0.32	0.09	0.01	0.07
Rank in SC	17	44	83	9	13	50	15

Dothan, AL (2019 Employment: 63,945; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.10	0.77	0.01	0.72	0.26	0.14	0.20
Difference from SC	-1.51	-0.73	-0.05	-0.34	-0.16	-0.20	-0.03
Rank in SC	109	118	117	79	93	104	54
Change in Share	-0.06	0.00	0.00	0.02	-0.15	0.06	0.02
Difference from SC	-0.46	-0.23	-0.03	-0.16	-0.08	0.01	0.01
Rank in SC	98	106	111	86	105	46	47

Florence-Muscle Shoals, AL (2019 Employment: 60,485; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.56	0.89	0.01	1.05	0.37	0.11	0.12
Difference from SC	-1.05	-0.61	-0.05	0.00	-0.05	-0.23	-0.11
Rank in SC	90	110	111	40	60	111	98
Change in Share	0.19	0.11	0.00	0.25	-0.07	-0.07	-0.04
Difference from SC	-0.22	-0.12	-0.03	0.08	0.00	-0.11	-0.04
Rank in SC	70	79	116	28	63	117	98

(continued)

ALABAMA (continued)

Gadsden, AL (2019 Employment: 40,017; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.72	0.69	0.01	0.65	0.22	0.09	0.06
Difference from SC	-1.89	-0.80	-0.05	-0.40	-0.20	-0.26	-0.17
Rank in SC	121	123	121	86	109	119	118
Change in Share	0.11	0.12	0.00	0.00	-0.03	0.01	0.01
Difference from SC	-0.29	-0.10	-0.03	-0.18	0.04	-0.03	0.01
Rank in SC	82	76	110	90	36	70	51

Huntsville, AL (2019 Employment: 252,224; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	14.86	6.53	0.20	6.19	1.44	0.34	0.16
Difference from SC	10.23	4.24	0.12	4.97	1.00	-0.06	-0.05
Rank in SC	1	2	2	1	1	20	30
Change in Share	0.95	0.98	0.08	0.45	-0.42	-0.07	-0.06
Difference from SC	0.48	0.57	0.04	0.36	-0.30	-0.13	-0.07
Rank in SC	7	4	4	2	46	45	43

Mobile, AL (2019 Employment: 198,341; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.01	1.83	0.02	1.26	0.41	0.24	0.25
Difference from SC	-0.10	-0.05	-0.05	0.15	-0.04	-0.15	0.04
Rank in SC	29	26	62	20	32	37	16
Change in Share	0.28	0.01	0.00	0.36	-0.12	0.01	0.02
Difference from SC	-0.08	-0.27	-0.03	0.24	0.00	-0.04	0.02
Rank in SC	35	57	59	9	34	44	15

Montgomery, AL (2019 Employment: 183,158; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.55	2.42	0.07	1.03	0.47	0.38	0.17
Difference from SC	0.44	0.54	0.00	-0.08	0.03	-0.01	-0.03
Rank in SC	20	14	23	27	22	20	35
Change in Share	0.42	0.36	0.02	0.16	-0.13	0.04	-0.04
Difference from SC	0.06	0.08	-0.01	0.05	-0.01	-0.01	-0.04
Rank in SC	26	16	42	21	40	31	52

(continued)

ALABAMA (continued)

Tuscaloosa, AL (2019 Employment: 118,913; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.53	1.68	0.05	1.04	0.35	0.28	0.13
Difference from SC	-0.39	-0.11	-0.02	0.04	-0.08	-0.10	-0.12
Rank in SC	36	29	42	26	40	36	60
Change in Share	0.76	0.54	0.03	0.29	-0.11	0.04	-0.02
Difference from SC	0.43	0.34	0.00	0.17	-0.03	-0.01	-0.03
Rank in SC	11	9	36	15	47	32	52

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Columbus, GA-AL (2019 Employment: 149,656 of which 16,258 is in AL; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.87	0.51	0.00	1.01	0.06	0.25	0.04
Difference from SC	-2.24	-1.37	-0.07	-0.10	-0.39	-0.13	-0.17
Change in Share	0.07	0.04	0.00	0.11	-0.07	-0.02	0.00
Difference from SC	-0.29	-0.24	-0.03	0.00	0.04	-0.07	0.00

NONMETROPOLITAN AREA (2019 Employment: 431,716)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.34	0.88	0.02	0.83	0.34	0.16	0.11
Difference from Nation	-0.45	-0.14	-0.02	-0.01	-0.02	-0.16	-0.10
Rank Among 47 States	37	35	43	21	28	45	44
Change in Share	0.62	0.27	0.01	0.25	0.03	0.04	0.02
Difference from Nation	0.45	0.17	-0.01	0.16	0.11	0.00	0.03
Rank Among 47 States	5	8	35	5	2	26	13

COUNTY NOT REPORTED (2019 Employment: 57,107)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.58	6.27	0.14	2.01	0.67	0.28	0.21
Difference from Nation	-2.77	-2.93	-0.16	0.46	0.16	-0.25	-0.04
Rank Among 50 States	31	32	35	7	8	44	32
Change in Share	2.33	1.96	0.10	0.37	-0.20	0.03	0.07
Difference from Nation	-3.22	-2.75	-0.12	0.00	-0.12	-0.19	-0.03
Rank Among 50 States	41	42	33	21	40	43	33

ALASKA

2019 Employment: 381,986

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.45	1.68	0.09	1.63	0.57	1.05	0.43
Difference from Nation	-0.06	-1.43	-0.04	0.41	0.14	0.64	0.22
Rank Among 51 States	20	47	34	4	5	1	2
Change in Share	0.31	0.17	0.04	0.26	-0.15	0.06	-0.07
Difference from Nation	-0.52	-0.58	-0.02	0.17	-0.03	0.00	-0.07
Rank Among 51 States	43	47	36	5	38	21	48

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Anchorage, AK (2019 Employment: 200,959; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.52	1.99	0.10	1.68	0.54	0.95	0.26
Difference from SC	0.89	-0.29	0.01	0.47	0.10	0.55	0.05
Rank in SC	11	20	14	8	10	4	10
Change in Share	0.01	0.13	0.04	0.18	-0.23	0.01	-0.11
Difference from SC	-0.46	-0.28	0.01	0.10	-0.11	-0.05	-0.12
Rank in SC	41	34	13	15	41	33	46

Fairbanks, AK (2019 Employment: 51,249; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.45	1.41	0.06	1.65	0.44	1.37	0.52
Difference from SC	1.84	-0.09	0.00	0.59	0.02	1.02	0.29
Rank in SC	13	43	47	15	35	2	9
Change in Share	0.35	0.14	0.01	0.30	-0.11	0.04	-0.04
Difference from SC	-0.06	-0.08	-0.02	0.13	-0.04	0.00	-0.04
Rank in SC	51	70	95	18	86	58	97

NONMETROPOLITAN AREA (2019 Employment: 128,151)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.27	1.25	0.09	1.52	0.67	1.07	0.66
Difference from Nation	2.48	0.24	0.05	0.68	0.31	0.76	0.45
Rank Among 47 States	1	10	3	1	2	2	2
Change in Share	0.67	0.19	0.05	0.36	-0.05	0.13	-0.01
Difference from Nation	0.51	0.09	0.03	0.27	0.02	0.09	0.00
Rank Among 47 States	4	13	2	2	21	2	30

(continued)

ALASKA (continued)

COUNTY NOT REPORTED (2019 Employment: 1,627)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	12.29	6.36	0.00	2.77	0.70	1.76	0.70
Difference from Nation	-0.06	-2.83	-0.30	1.21	0.19	1.23	0.44
Rank Among 50 States	20	31	48	1	5	1	1
Change in Share	8.75	4.25	0.00	2.01	0.45	1.55	0.48
Difference from Nation	3.20	-0.46	-0.22	1.64	0.53	1.33	0.38
Rank Among 50 States	1	20	46	1	2	1	1

ARIZONA

2019 Employment: 3,247,778

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.62	3.39	0.12	1.15	0.54	0.23	0.18
Difference from Nation	0.11	0.28	0.00	-0.07	0.11	-0.18	-0.03
Rank Among 51 States	16	13	18	28	7	51	38
Change in Share	0.81	1.00	0.07	-0.04	-0.23	0.01	-0.01
Difference from Nation	-0.02	0.26	0.01	-0.13	-0.11	-0.04	-0.01
Rank Among 51 States	20	7	14	48	51	37	29

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Flagstaff, AZ (2019 Employment: 70,649; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.58	1.32	0.03	0.76	0.26	0.51	0.70
Difference from SC	-0.03	-0.18	-0.03	-0.29	-0.16	0.16	0.47
Rank in SC	41	52	83	72	95	18	5
Change in Share	-0.21	0.18	0.01	0.02	-0.05	-0.01	-0.36
Difference from SC	-0.62	-0.04	-0.02	-0.15	0.02	-0.05	-0.37
Rank in SC	111	56	97	84	45	92	124

Lake Havasu City-Kingman, AZ (2019 Employment: 58,619; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.65	0.69	0.01	0.59	0.18	0.07	0.10
Difference from SC	-1.96	-0.81	-0.05	-0.46	-0.24	-0.28	-0.13
Rank in SC	123	124	109	96	115	120	110
Change in Share	-0.09	0.02	0.01	0.00	-0.13	0.00	0.01
Difference from SC	-0.50	-0.20	-0.02	-0.17	-0.07	-0.05	0.01
Rank in SC	101	102	86	89	100	84	59

Phoenix-Mesa-Chandler, AZ (2019 Employment: 2,342,875; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.85	3.66	0.15	1.11	0.59	0.18	0.15
Difference from SC	-0.59	-0.22	-0.01	-0.20	0.16	-0.27	-0.05
Rank in SC	22	17	18	26	7	35	30
Change in Share	0.85	1.12	0.08	-0.11	-0.27	0.01	0.02
Difference from SC	-0.02	0.25	0.01	-0.14	-0.12	-0.05	0.02
Rank in SC	21	9	12	33	35	25	7

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ARIZONA (continued)

Prescott Valley-Prescott, AZ (2019 Employment: 77,881; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.51	0.98	0.01	0.79	0.31	0.23	0.19
Difference from SC	-1.41	-0.81	-0.06	-0.20	-0.12	-0.16	-0.06
Rank in SC	60	60	67	39	51	46	35
Change in Share	0.13	0.21	0.01	0.05	-0.14	0.03	-0.02
Difference from SC	-0.20	0.00	-0.03	-0.08	-0.05	-0.02	-0.02
Rank in SC	50	32	65	40	56	39	50

Sierra Vista-Douglas, AZ (2019 Employment: 43,202; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.11	3.87	0.10	1.20	0.42	0.15	0.37
Difference from SC	2.50	2.37	0.04	0.14	0.00	-0.20	0.14
Rank in SC	10	2	14	27	44	103	14
Change in Share	-0.13	0.13	0.03	-0.09	-0.12	-0.05	-0.03
Difference from SC	-0.53	-0.09	0.00	-0.26	-0.06	-0.09	-0.03
Rank in SC	103	74	43	109	97	111	87

Tucson, AZ (2019 Employment: 433,481; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.29	3.33	0.06	1.75	0.48	0.48	0.19
Difference from SC	0.89	0.44	-0.07	0.45	-0.01	0.09	-0.02
Rank in SC	9	12	39	6	20	10	24
Change in Share	0.64	0.63	0.02	0.16	-0.24	0.07	0.00
Difference from SC	0.01	0.10	-0.03	0.02	-0.13	0.03	0.00
Rank in SC	16	12	32	18	40	7	18

Yuma, AZ (2019 Employment: 80,858; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.94	1.26	0.06	0.73	0.39	0.21	0.28
Difference from SC	-0.98	-0.53	-0.01	-0.26	-0.04	-0.18	0.04
Rank in SC	49	51	35	44	36	52	16
Change in Share	0.54	0.08	0.02	0.27	0.05	0.01	0.09
Difference from SC	0.21	-0.12	-0.01	0.15	0.14	-0.04	0.09
Rank in SC	19	50	43	16	3	48	6

(continued)

ARIZONA (continued)

NONMETROPOLITAN AREA (2019 Employment: 106,231)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.85	1.05	0.04	0.71	0.31	0.38	0.37
Difference from Nation	0.07	0.03	0.00	-0.13	-0.05	0.06	0.16
Rank Among 47 States	20	16	15	30	30	15	11
Change in Share	-0.05	0.11	0.02	0.10	-0.05	0.00	-0.24
Difference from Nation	-0.22	0.01	0.00	0.01	0.03	-0.04	-0.23
Rank Among 47 States	44	29	25	22	14	39	46

COUNTY NOT REPORTED (2019 Employment: 33,981)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	14.29	11.39	0.28	1.49	0.60	0.32	0.22
Difference from Nation	1.94	2.19	-0.03	-0.07	0.09	-0.21	-0.03
Rank Among 50 States	8	6	19	23	11	41	30
Change in Share	6.50	6.37	0.22	0.09	-0.29	0.06	0.06
Difference from Nation	0.95	1.66	0.00	-0.28	-0.21	-0.16	-0.05
Rank Among 50 States	8	5	13	38	44	40	38

ARKANSAS

2019 Employment: 1,373,944

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.34	1.88	0.06	0.68	0.29	0.23	0.19
Difference from Nation	-2.17	-1.23	-0.06	-0.54	-0.14	-0.18	-0.02
Rank Among 51 States	48	40	42	50	49	50	35
Change in Share	0.24	0.34	0.03	-0.03	-0.11	0.01	0.00
Difference from Nation	-0.59	-0.41	-0.03	-0.13	0.01	-0.05	0.01
Rank Among 51 States	44	43	39	45	28	38	20

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Fayetteville-Springdale-Rogers, AR (2019 Employment: 262,953; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.43	2.98	0.10	0.62	0.31	0.26	0.18
Difference from SC	-0.20	0.70	0.01	-0.60	-0.14	-0.14	-0.03
Rank in SC	17	10	13	36	31	31	23
Change in Share	0.39	0.61	0.05	-0.10	-0.20	0.03	0.00
Difference from SC	-0.09	0.20	0.01	-0.19	-0.08	-0.03	-0.01
Rank in SC	19	13	10	44	38	26	28

Hot Springs, AR (2019 Employment: 42,555; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.00	1.01	0.02	0.58	0.22	0.05	0.13
Difference from SC	-1.61	-0.49	-0.04	-0.48	-0.20	-0.30	-0.10
Rank in SC	114	90	106	99	108	123	94
Change in Share	0.33	0.38	0.01	0.05	-0.06	-0.04	-0.02
Difference from SC	-0.07	0.16	-0.02	-0.12	0.01	-0.08	-0.02
Rank in SC	54	26	70	76	60	107	79

Jonesboro, AR (2019 Employment: 64,167; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.20	1.08	0.01	0.56	0.27	0.18	0.10
Difference from SC	-1.41	-0.42	-0.05	-0.50	-0.15	-0.17	-0.13
Rank in SC	106	79	110	101	91	91	109
Change in Share	0.32	0.30	0.01	0.03	-0.09	0.02	0.04
Difference from SC	-0.08	0.08	-0.02	-0.14	-0.02	-0.02	0.04
Rank in SC	55	36	81	80	77	65	27

(continued)

ARKANSAS (continued)

Little Rock-North Little Rock-Conway, AR (2019 Employment: 379,414; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.47	2.68	0.10	0.83	0.38	0.28	0.21
Difference from SC	-0.93	-0.22	-0.02	-0.47	-0.11	-0.11	0.00
Rank in SC	35	22	21	40	35	29	18
Change in Share	0.04	0.08	0.04	0.01	-0.12	0.02	0.02
Difference from SC	-0.59	-0.45	-0.01	-0.13	0.00	-0.02	0.03
Rank in SC	37	39	25	37	27	28	6

Pine Bluff, AR (2019 Employment: 35,403; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.87	0.96	0.02	0.62	0.16	0.72	0.38
Difference from SC	-0.74	-0.54	-0.04	-0.43	-0.25	0.38	0.14
Rank in SC	76	95	94	90	118	11	13
Change in Share	-0.40	-0.05	0.01	-0.04	-0.09	-0.03	-0.20
Difference from SC	-0.81	-0.27	-0.02	-0.21	-0.03	-0.08	-0.20
Rank in SC	116	108	90	97	81	105	122

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Fort Smith, AR-OK (2019 Employment: 109,792 of which 98,392 is in AR; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.33	1.14	0.03	0.55	0.30	0.17	0.14
Difference from SC	-1.59	-0.64	-0.04	-0.45	-0.14	-0.22	-0.10
Change in Share	-0.26	0.11	0.02	-0.23	-0.19	0.03	0.01
Difference from SC	-0.59	-0.09	-0.01	-0.36	-0.10	-0.02	0.00

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Memphis, TN-MS-AR (2019 Employment: 701,663 of which 18,859 is in AR; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.33	0.47	0.01	0.64	0.05	0.12	0.04
Difference from SC	-4.07	-2.42	-0.11	-0.67	-0.44	-0.27	-0.17
Change in Share	0.19	0.02	0.01	0.12	-0.02	0.06	0.01
Difference from SC	-0.44	-0.51	-0.05	-0.03	0.10	0.02	0.02

(continued)

ARKANSAS (continued)

Texarkana, TX-AR (2019 Employment: 64,610 of which 18,762 is in AR; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.27	0.78	0.03	0.83	0.13	0.16	0.35
Difference from SC	-1.34	-0.72	-0.03	-0.22	-0.29	-0.19	0.12
Change in Share	0.25	0.08	0.02	0.06	0.03	-0.03	0.09
Difference from SC	-0.16	-0.15	-0.01	-0.11	0.10	-0.08	0.09

NONMETROPOLITAN AREA (2019 Employment: 417,335)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.99	0.72	0.03	0.63	0.25	0.19	0.18
Difference from Nation	-0.80	-0.30	-0.01	-0.21	-0.11	-0.12	-0.03
Rank Among 47 States	46	47	38	35	41	39	26
Change in Share	-0.03	0.03	0.01	-0.02	-0.07	0.01	0.01
Difference from Nation	-0.19	-0.07	-0.01	-0.12	0.01	-0.03	0.02
Rank Among 47 States	41	42	36	45	25	36	18

COUNTY NOT REPORTED (2019 Employment: 36,104)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.35	5.68	0.12	0.80	0.34	0.20	0.20
Difference from Nation	-5.00	-3.51	-0.19	-0.76	-0.17	-0.33	-0.05
Rank Among 50 States	41	36	37	47	42	46	36
Change in Share	2.20	2.25	0.06	-0.07	-0.09	-0.04	0.09
Difference from Nation	-3.35	-2.46	-0.16	-0.44	-0.01	-0.27	-0.01
Rank Among 50 States	43	36	38	43	27	45	26

CALIFORNIA

2019 Employment: 20,076,272

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.48	3.75	0.11	1.41	0.46	0.53	0.22
Difference from Nation	0.97	0.64	-0.01	0.19	0.03	0.11	0.02
Rank Among 51 States	7	8	22	12	21	12	21
Change in Share	0.98	1.02	0.05	-0.02	-0.17	0.11	0.00
Difference from Nation	0.15	0.27	-0.01	-0.12	-0.05	0.05	0.00
Rank Among 51 States	12	6	26	44	44	5	23

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Bakersfield, CA (2019 Employment: 370,772; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.14	1.19	0.07	1.56	0.61	0.51	0.20
Difference from SC	-1.26	-1.70	-0.06	0.26	0.12	0.13	-0.01
Rank in SC	39	44	34	13	9	8	23
Change in Share	0.15	0.06	0.02	0.17	-0.12	0.02	0.00
Difference from SC	-0.48	-0.47	-0.03	0.03	0.00	-0.02	0.01
Rank in SC	35	41	34	17	26	29	14

Chico, CA (2019 Employment: 92,890; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.11	1.27	0.04	0.61	0.47	0.56	0.16
Difference from SC	-0.81	-0.51	-0.03	-0.39	0.03	0.17	-0.08
Rank in SC	43	50	47	55	23	14	41
Change in Share	0.33	-0.21	0.01	0.14	0.14	0.20	0.04
Difference from SC	0.00	-0.41	-0.02	0.02	0.23	0.15	0.04
Rank in SC	36	67	59	25	2	4	14

El Centro, CA (2019 Employment: 71,221; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.00	0.73	0.05	0.43	0.17	0.48	0.14
Difference from SC	-1.61	-0.77	-0.01	-0.63	-0.25	0.14	-0.09
Rank in SC	115	119	50	113	116	23	88
Change in Share	-0.19	0.03	0.01	-0.10	-0.12	0.01	-0.02
Difference from SC	-0.60	-0.20	-0.02	-0.28	-0.06	-0.03	-0.02
Rank in SC	109	101	72	113	98	71	84

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CALIFORNIA (continued)

Fresno, CA (2019 Employment: 446,100; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.29	0.90	0.06	0.56	0.24	0.33	0.20
Difference from SC	-3.11	-1.99	-0.06	-0.74	-0.25	-0.06	0.00
Rank in SC	45	45	37	45	45	22	22
Change in Share	-0.05	0.01	0.02	-0.02	-0.10	0.05	-0.01
Difference from SC	-0.68	-0.52	-0.03	-0.16	0.02	0.01	0.00
Rank in SC	40	43	37	39	19	13	25

Hanford-Corcoran, CA (2019 Employment: 57,551; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.02	0.93	0.05	0.35	0.11	0.41	0.18
Difference from SC	-1.59	-0.57	-0.01	-0.71	-0.31	0.06	-0.05
Rank in SC	112	101	57	122	123	35	60
Change in Share	0.13	0.11	0.02	-0.05	-0.08	0.08	0.05
Difference from SC	-0.28	-0.11	-0.01	-0.23	-0.01	0.03	0.04
Rank in SC	77	78	62	101	70	36	25

Los Angeles-Long Beach-Anaheim, CA (2019 Employment: 7,071,802; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.04	2.79	0.09	1.24	0.41	0.34	0.16
Difference from SC	-1.40	-1.09	-0.06	-0.07	-0.02	-0.11	-0.04
Rank in SC	28	29	32	18	21	21	28
Change in Share	0.17	0.38	0.03	-0.12	-0.18	0.05	0.00
Difference from SC	-0.71	-0.49	-0.03	-0.15	-0.03	-0.01	0.00
Rank in SC	35	32	33	34	26	13	22

Madera, CA (2019 Employment: 56,815; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.23	0.92	0.02	0.42	0.13	0.56	0.17
Difference from SC	-1.38	-0.58	-0.04	-0.64	-0.29	0.22	-0.06
Rank in SC	105	103	98	114	121	15	66
Change in Share	0.20	0.04	0.01	0.01	-0.05	0.13	0.05
Difference from SC	-0.20	-0.18	-0.02	-0.16	0.02	0.09	0.05
Rank in SC	69	96	88	87	47	15	20

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CALIFORNIA (continued)

Merced, CA (2019 Employment: 91,288; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.54	1.45	0.07	0.31	0.07	0.41	0.22
Difference from SC	-1.38	-0.33	-0.01	-0.69	-0.36	0.03	-0.02
Rank in SC	58	44	34	71	71	26	27
Change in Share	0.31	0.20	0.04	-0.10	-0.05	0.12	0.10
Difference from SC	-0.02	-0.01	0.01	-0.22	0.03	0.07	0.10
Rank in SC	39	33	19	66	25	8	4

Modesto, CA (2019 Employment: 215,443; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.18	0.93	0.06	0.44	0.24	0.29	0.22
Difference from SC	-2.45	-1.35	-0.03	-0.78	-0.20	-0.11	0.01
Rank in SC	44	43	30	44	43	27	17
Change in Share	0.08	0.04	0.03	-0.05	-0.10	0.09	0.07
Difference from SC	-0.39	-0.36	-0.01	-0.14	0.02	0.03	0.07
Rank in SC	34	39	24	41	21	8	4

Napa, CA (2019 Employment: 88,902; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.71	1.08	0.07	0.46	0.24	0.47	0.38
Difference from SC	-1.21	-0.71	0.00	-0.53	-0.20	0.09	0.13
Rank in SC	54	57	30	67	63	20	8
Change in Share	0.08	0.09	0.04	-0.09	-0.08	0.02	0.11
Difference from SC	-0.25	-0.11	0.00	-0.21	0.00	-0.03	0.10
Rank in SC	53	47	27	64	37	45	3

Oxnard-Thousand Oaks-Ventura, CA (2019 Employment: 380,321; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.22	2.18	0.09	1.57	0.63	0.55	0.21
Difference from SC	-0.18	-0.72	-0.03	0.27	0.14	0.16	0.00
Rank in SC	24	35	25	11	7	7	17
Change in Share	-0.64	0.01	0.02	-0.16	-0.25	-0.17	-0.08
Difference from SC	-1.27	-0.52	-0.03	-0.31	-0.13	-0.21	-0.07
Rank in SC	45	44	38	43	42	45	43

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CALIFORNIA (continued)

Redding, CA (2019 Employment: 76,536; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.55	1.32	0.07	0.88	0.43	0.66	0.19
Difference from SC	-0.37	-0.47	0.00	-0.11	-0.01	0.27	-0.06
Rank in SC	35	47	28	32	31	9	37
Change in Share	0.49	0.28	0.02	0.15	-0.08	0.09	0.02
Difference from SC	0.16	0.08	-0.01	0.02	0.01	0.04	0.01
Rank in SC	24	25	47	23	32	14	27

Riverside-San Bernardino-Ontario, CA (2019 Employment: 1,764,379; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.55	1.23	0.03	0.61	0.32	0.22	0.14
Difference from SC	-3.88	-2.66	-0.13	-0.70	-0.11	-0.23	-0.06
Rank in SC	36	36	36	34	31	31	31
Change in Share	-0.07	0.11	0.01	-0.04	-0.13	0.00	-0.02
Difference from SC	-0.95	-0.76	-0.06	-0.08	0.03	-0.06	-0.01
Rank in SC	36	36	36	27	14	31	28

Sacramento-Roseville-Folsom, CA (2019 Employment: 1,142,062; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.11	3.24	0.16	1.25	0.39	0.74	0.34
Difference from SC	-0.32	-0.65	0.00	-0.06	-0.04	0.29	0.14
Rank in SC	17	23	16	16	23	6	2
Change in Share	0.36	0.43	0.07	-0.05	-0.20	0.10	0.00
Difference from SC	-0.52	-0.44	0.00	-0.08	-0.04	0.05	0.01
Rank in SC	32	30	17	28	29	6	16

Salinas, CA (2019 Employment: 221,993; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.32	1.11	0.09	0.38	0.15	0.39	0.20
Difference from SC	-2.31	-1.17	0.01	-0.84	-0.29	-0.01	-0.01
Rank in SC	43	42	15	45	46	15	21
Change in Share	-0.09	0.01	0.04	-0.04	-0.08	-0.01	-0.01
Difference from SC	-0.56	-0.40	0.00	-0.12	0.04	-0.07	-0.02
Rank in SC	44	43	15	40	16	39	33

(continued)

CALIFORNIA (continued)

San Diego-Chula Vista-Carlsbad, CA (2019 Employment: 1,772,219; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.82	3.71	0.10	2.07	0.67	0.96	0.31
Difference from SC	1.39	-0.17	-0.05	0.76	0.24	0.51	0.11
Rank in SC	10	15	30	4	4	2	5
Change in Share	1.09	0.65	0.04	0.26	-0.15	0.28	0.01
Difference from SC	0.21	-0.22	-0.03	0.23	0.00	0.22	0.01
Rank in SC	13	23	32	4	21	3	10

San Francisco-Oakland-Berkeley, CA (2019 Employment: 2,763,356; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	10.14	6.61	0.22	1.66	0.51	0.87	0.27
Difference from SC	3.71	2.72	0.06	0.35	0.08	0.42	0.07
Rank in SC	4	4	3	10	10	4	10
Change in Share	2.78	2.43	0.11	0.11	-0.17	0.31	-0.01
Difference from SC	1.91	1.56	0.04	0.07	-0.02	0.26	0.00
Rank in SC	2	2	3	13	24	2	26

San Jose-Sunnyvale-Santa Clara, CA (2019 Employment: 1,244,612; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	18.35	12.66	0.19	3.68	0.90	0.62	0.31
Difference from SC	11.92	8.77	0.03	2.37	0.47	0.17	0.11
Rank in SC	1	1	11	2	1	9	4
Change in Share	3.79	4.75	0.09	-0.61	-0.48	0.06	-0.02
Difference from SC	2.91	3.87	0.02	-0.64	-0.32	0.01	-0.02
Rank in SC	1	1	10	36	36	12	31

San Luis Obispo-Paso Robles, CA (2019 Employment: 139,930; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.27	2.01	0.06	1.19	0.44	0.30	0.28
Difference from SC	0.17	0.13	-0.02	0.08	-0.01	-0.09	0.07
Rank in SC	27	22	37	23	28	23	10
Change in Share	0.95	0.66	0.03	0.32	-0.12	0.03	0.03
Difference from SC	0.58	0.38	0.00	0.20	-0.01	-0.02	0.03
Rank in SC	8	9	31	11	35	34	8

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CALIFORNIA (continued)

Santa Cruz-Watsonville, CA (2019 Employment: 124,479; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.21	2.10	0.07	0.80	0.33	0.57	0.33
Difference from SC	0.29	0.31	0.00	-0.19	-0.11	0.19	0.08
Rank in SC	21	19	32	38	48	12	12
Change in Share	0.01	0.05	0.03	-0.06	-0.15	0.11	0.02
Difference from SC	-0.32	-0.15	0.00	-0.18	-0.06	0.06	0.02
Rank in SC	55	54	28	61	61	9	25

Santa Maria-Santa Barbara, CA (2019 Employment: 238,024; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.35	2.59	0.05	1.50	0.53	0.44	0.24
Difference from SC	0.72	0.31	-0.03	0.28	0.08	0.04	0.03
Rank in SC	12	12	33	10	11	10	13
Change in Share	0.25	0.47	0.02	-0.06	-0.16	-0.02	0.00
Difference from SC	-0.22	0.06	-0.02	-0.14	-0.04	-0.08	0.00
Rank in SC	26	15	40	42	34	43	25

Santa Rosa-Petaluma, CA (2019 Employment: 241,633; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.80	1.66	0.07	1.05	0.42	0.39	0.21
Difference from SC	-0.84	-0.62	-0.01	-0.17	-0.02	-0.01	0.00
Rank in SC	24	30	23	20	22	13	20
Change in Share	0.03	0.15	0.03	-0.07	-0.17	0.05	0.03
Difference from SC	-0.44	-0.26	0.00	-0.15	-0.05	-0.01	0.03
Rank in SC	37	32	22	43	35	17	9

Stockton, CA (2019 Employment: 285,990; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.11	0.83	0.04	0.51	0.23	0.36	0.14
Difference from SC	-2.52	-1.45	-0.04	-0.71	-0.21	-0.04	-0.07
Rank in SC	45	44	42	41	44	18	32
Change in Share	-0.08	-0.05	0.01	-0.03	-0.09	0.05	0.01
Difference from SC	-0.55	-0.46	-0.02	-0.11	0.04	-0.01	0.01
Rank in SC	43	45	43	39	19	16	19

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CALIFORNIA (continued)

Vallejo, CA (2019 Employment: 165,840; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.69	1.22	0.05	0.95	0.47	0.75	0.25
Difference from SC	-0.41	-0.67	-0.02	-0.16	0.02	0.37	0.04
Rank in SC	32	48	44	34	23	9	14
Change in Share	0.46	0.02	0.02	0.20	0.00	0.20	0.01
Difference from SC	0.09	-0.26	-0.01	0.09	0.12	0.15	0.01
Rank in SC	24	56	43	20	7	4	25

Visalia, CA (2019 Employment: 181,879; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.91	0.78	0.05	0.40	0.26	0.26	0.16
Difference from SC	-2.20	-1.11	-0.02	-0.71	-0.19	-0.13	-0.05
Rank in SC	59	60	45	60	56	31	37
Change in Share	0.12	0.07	0.01	0.02	-0.07	0.02	0.06
Difference from SC	-0.25	-0.21	-0.02	-0.09	0.05	-0.03	0.06
Rank in SC	45	51	56	43	20	36	5

Yuba City, CA (2019 Employment: 62,101; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.92	1.01	0.05	1.10	0.31	0.42	0.04
Difference from SC	-0.69	-0.49	-0.01	0.04	-0.11	0.07	-0.19
Rank in SC	71	89	62	33	82	33	124
Change in Share	-0.10	-0.12	0.02	0.04	-0.11	0.06	0.01
Difference from SC	-0.51	-0.34	-0.01	-0.13	-0.04	0.01	0.00
Rank in SC	102	115	65	79	87	49	63

NONMETROPOLITAN AREA (2019 Employment: 323,404)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.94	0.92	0.05	0.52	0.25	0.61	0.59
Difference from Nation	0.15	-0.09	0.01	-0.32	-0.11	0.30	0.37
Rank Among 47 States	18	32	8	40	42	7	3
Change in Share	-0.01	0.05	0.02	0.01	-0.09	0.12	-0.13
Difference from Nation	-0.18	-0.05	0.00	-0.09	-0.01	0.08	-0.12
Rank Among 47 States	39	35	17	39	36	3	41

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CALIFORNIA (continued)

COUNTY NOT REPORTED (2019 Employment: 384,731)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	13.72	9.80	0.29	1.92	0.60	0.79	0.31
Difference from Nation	1.37	0.61	-0.01	0.37	0.09	0.26	0.06
Rank Among 50 States	12	15	15	10	13	8	9
Change in Share	5.74	4.93	0.19	0.35	-0.12	0.30	0.09
Difference from Nation	0.19	0.23	-0.03	-0.02	-0.04	0.07	-0.02
Rank Among 50 States	16	12	23	22	32	15	29

COLORADO

2019 Employment: 3,103,939

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.46	4.45	0.10	1.60	0.47	0.58	0.26
Difference from Nation	1.95	1.34	-0.03	0.38	0.04	0.17	0.05
Rank Among 51 States	6	5	29	5	19	11	13
Change in Share	1.06	1.02	0.04	0.06	-0.16	0.09	0.02
Difference from Nation	0.23	0.28	-0.02	-0.04	-0.04	0.03	0.02
Rank Among 51 States	10	5	33	35	42	12	7

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Boulder, CO (2019 Employment: 213,461; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	14.28	7.85	0.10	3.27	0.65	1.97	0.44
Difference from SC	9.65	5.57	0.02	2.05	0.20	1.57	0.23
Rank in SC	2	1	12	3	7	1	4
Change in Share	0.91	0.64	0.03	0.03	-0.25	0.44	0.01
Difference from SC	0.44	0.23	0.00	-0.05	-0.13	0.38	0.00
Rank in SC	8	12	19	27	43	2	21

Colorado Springs, CO (2019 Employment: 367,409; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.09	4.69	0.09	1.36	0.54	0.27	0.15
Difference from SC	1.69	1.79	-0.03	0.06	0.05	-0.12	-0.06
Rank in SC	7	4	23	23	13	30	34
Change in Share	0.02	0.64	0.03	-0.33	-0.25	-0.05	-0.02
Difference from SC	-0.61	0.11	-0.02	-0.48	-0.13	-0.08	-0.02
Rank in SC	39	11	28	44	41	43	35

Denver-Aurora-Lakewood, CO (2019 Employment: 1,682,414; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.33	5.26	0.13	1.72	0.47	0.47	0.28
Difference from SC	1.90	1.37	-0.03	0.41	0.04	0.02	0.08
Rank in SC	8	6	25	7	16	12	9
Change in Share	1.51	1.40	0.05	0.10	-0.17	0.07	0.05
Difference from SC	0.63	0.53	-0.01	0.07	-0.01	0.01	0.06
Rank in SC	5	5	27	14	23	11	2

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COLORADO (continued)

Fort Collins, CO (2019 Employment: 190,009; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.67	2.98	0.06	2.07	0.80	1.52	0.25
Difference from SC	3.57	1.09	-0.01	0.97	0.35	1.14	0.04
Rank in SC	2	9	35	4	4	2	18
Change in Share	0.46	0.66	0.00	-0.11	-0.25	0.22	-0.06
Difference from SC	0.10	0.38	-0.02	-0.23	-0.14	0.17	-0.06
Rank in SC	23	8	58	52	58	3	59

Grand Junction, CO (2019 Employment: 71,138; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.89	1.30	0.03	0.76	0.30	0.35	0.15
Difference from SC	-0.72	-0.19	-0.03	-0.30	-0.12	0.00	-0.08
Rank in SC	74	54	79	73	83	44	75
Change in Share	0.35	0.29	0.01	0.06	-0.12	0.08	0.01
Difference from SC	-0.06	0.07	-0.02	-0.11	-0.05	0.04	0.01
Rank in SC	52	39	71	74	95	32	50

Greeley, CO (2019 Employment: 131,761; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.10	1.38	0.04	0.87	0.31	0.27	0.22
Difference from SC	-1.01	-0.50	-0.03	-0.23	-0.14	-0.12	0.01
Rank in SC	45	42	52	37	47	26	22
Change in Share	0.60	0.22	0.02	0.31	0.00	0.04	0.01
Difference from SC	0.24	-0.06	-0.01	0.19	0.11	-0.01	0.01
Rank in SC	17	27	41	12	8	32	22

Pueblo, CO (2019 Employment: 69,581; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.03	1.19	0.04	0.86	0.40	0.41	0.14
Difference from SC	-0.58	-0.31	-0.02	-0.20	-0.02	0.06	-0.09
Rank in SC	64	66	67	58	50	36	86
Change in Share	1.06	0.29	0.02	0.42	0.09	0.18	0.06
Difference from SC	0.66	0.07	-0.01	0.25	0.16	0.14	0.06
Rank in SC	11	41	52	13	5	6	18

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COLORADO (continued)

NONMETROPOLITAN AREA (2019 Employment: 355,624)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.36	1.03	0.02	0.52	0.26	0.34	0.19
Difference from Nation	-0.43	0.01	-0.02	-0.32	-0.10	0.02	-0.02
Rank Among 47 States	36	18	44	41	36	21	21
Change in Share	0.06	0.13	0.01	0.02	-0.11	0.05	-0.04
Difference from Nation	-0.10	0.03	-0.01	-0.08	-0.03	0.02	-0.02
Rank Among 47 States	35	23	38	36	41	19	35

COUNTY NOT REPORTED (2019 Employment: 22,543)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	15.53	11.88	0.17	2.43	0.39	0.44	0.23
Difference from Nation	3.18	2.68	-0.14	0.87	-0.12	-0.09	-0.03
Rank Among 50 States	4	4	33	2	37	26	26
Change in Share	2.49	2.81	0.06	0.22	-0.30	-0.22	-0.08
Difference from Nation	-3.06	-1.90	-0.16	-0.15	-0.22	-0.45	-0.18
Rank Among 50 States	39	31	36	35	45	48	48

CONNECTICUT

2019 Employment: 1,865,132

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.95	3.17	0.20	1.71	0.38	0.33	0.17
Difference from Nation	0.44	0.06	0.07	0.49	-0.05	-0.09	-0.04
Rank Among 51 States	12	16	5	2	39	33	45
Change in Share	0.59	0.52	0.07	0.19	-0.17	0.01	-0.02
Difference from Nation	-0.24	-0.23	0.01	0.09	-0.05	-0.05	-0.02
Rank Among 51 States	30	32	11	10	45	40	37

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Bridgeport-Stamford-Norwalk, CT (2019 Employment: 473,261; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.67	3.22	0.17	1.47	0.34	0.32	0.15
Difference from SC	0.26	0.32	0.04	0.17	-0.15	-0.06	-0.05
Rank in SC	16	14	12	15	40	23	32
Change in Share	0.17	0.18	0.07	0.07	-0.18	0.04	-0.01
Difference from SC	-0.47	-0.35	0.02	-0.07	-0.07	0.00	0.00
Rank in SC	34	35	10	32	39	17	21

Hartford-East Hartford-Middletown, CT (2019 Employment: 679,166; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.72	3.58	0.30	1.98	0.43	0.30	0.14
Difference from SC	1.32	0.68	0.18	0.67	-0.06	-0.09	-0.07
Rank in SC	8	10	2	2	26	26	35
Change in Share	0.90	0.76	0.08	0.19	-0.16	0.06	-0.02
Difference from SC	0.27	0.23	0.03	0.05	-0.04	0.02	-0.02
Rank in SC	11	8	8	13	37	9	37

New Haven-Milford, CT (2019 Employment: 417,913; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.49	2.42	0.10	1.15	0.32	0.34	0.16
Difference from SC	-0.91	-0.47	-0.02	-0.16	-0.17	-0.05	-0.04
Rank in SC	34	30	19	29	42	21	30
Change in Share	-0.25	0.07	0.04	-0.12	-0.18	-0.03	-0.03
Difference from SC	-0.88	-0.46	-0.01	-0.26	-0.06	-0.07	-0.02
Rank in SC	43	40	20	40	38	42	39

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CONNECTICUT (continued)

Norwich-New London, CT (2019 Employment: 139,067; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.05	2.09	0.09	3.41	0.52	0.53	0.42
Difference from SC	2.95	0.20	0.02	2.31	0.07	0.15	0.21
Rank in SC	6	19	17	1	15	11	5
Change in Share	1.19	0.15	0.03	1.52	-0.25	-0.22	-0.04
Difference from SC	0.82	-0.13	0.00	1.41	-0.14	-0.27	-0.04
Rank in SC	3	41	28	1	59	61	54

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Worcester, MA-CT (2019 Employment: 439,801 of which 43,691 is in CT; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.31	1.37	0.05	1.17	0.31	0.25	0.16
Difference from SC	-2.09	-1.53	-0.07	-0.13	-0.18	-0.13	-0.04
Change in Share	0.35	0.22	0.02	0.16	-0.06	0.00	0.00
Difference from SC	-0.29	-0.31	-0.03	0.02	0.06	-0.04	0.01

NONMETROPOLITAN AREA (2019 Employment: 71,314)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.47	1.54	0.05	1.28	0.38	0.14	0.08
Difference from Nation	0.69	0.53	0.01	0.44	0.01	-0.18	-0.13
Rank Among 47 States	9	5	11	4	22	47	46
Change in Share	0.19	0.27	0.02	0.03	-0.10	-0.01	-0.02
Difference from Nation	0.03	0.17	0.00	-0.07	-0.02	-0.05	-0.01
Rank Among 47 States	23	7	14	35	39	41	31

COUNTY NOT REPORTED (2019 Employment: 40,719)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	14.51	11.78	0.63	1.27	0.30	0.36	0.17
Difference from Nation	2.16	2.59	0.33	-0.29	-0.21	-0.17	-0.09
Rank Among 50 States	6	5	2	29	45	37	43
Change in Share	8.12	7.09	0.53	0.31	-0.10	0.20	0.09
Difference from Nation	2.57	2.39	0.31	-0.07	-0.02	-0.03	-0.02
Rank Among 50 States	4	2	1	27	29	29	28

DELAWARE

2019 Employment: 497,949

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.91	3.30	0.22	0.98	0.38	0.75	0.26
Difference from Nation	0.40	0.19	0.10	-0.24	-0.06	0.34	0.05
Rank Among 51 States	13	14	4	34	40	6	11
Change in Share	-0.06	0.21	0.11	-0.10	-0.16	-0.06	-0.06
Difference from Nation	-0.89	-0.54	0.05	-0.19	-0.04	-0.12	-0.05
Rank Among 51 States	51	45	3	50	40	50	47

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Dover, DE (2019 Employment: 78,323; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.61	1.58	0.02	0.81	0.42	0.44	0.34
Difference from SC	-0.31	-0.21	-0.06	-0.19	-0.02	0.06	0.10
Rank in SC	32	35	64	37	33	24	11
Change in Share	0.18	0.16	0.00	0.10	-0.10	0.03	-0.01
Difference from SC	-0.15	-0.04	-0.03	-0.02	-0.02	-0.02	-0.02
Rank in SC	47	36	69	33	42	35	42

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Philadelphia-Camden-Wilmington, PA-NJ-DE-MD (2019 Employment: 3,123,144 of which 318,707 is in DE; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.47	4.24	0.33	1.22	0.42	1.01	0.25
Difference from SC	1.03	0.36	0.17	-0.10	0.00	0.56	0.05
Change in Share	-0.15	0.17	0.16	-0.12	-0.19	-0.08	-0.09
Difference from SC	-1.03	-0.70	0.09	-0.16	-0.04	-0.13	-0.09

Salisbury, MD-DE (2019 Employment: 177,917 of which 93,136 is in DE; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.94	0.99	0.03	0.33	0.18	0.16	0.26
Difference from SC	-2.17	-0.90	-0.04	-0.77	-0.27	-0.23	0.05
Change in Share	0.34	0.28	0.02	-0.01	-0.01	0.03	0.03
Difference from SC	-0.02	0.00	-0.01	-0.13	0.10	-0.02	0.03

(continued)

DELAWARE (continued)

COUNTY NOT REPORTED (2019 Employment: 7,783)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	12.52	9.91	0.28	1.11	0.42	0.62	0.18
Difference from Nation	0.18	0.71	-0.03	-0.45	-0.09	0.10	-0.07
Rank Among 50 States	18	13	17	40	33	14	39
Change in Share	3.87	5.57	0.25	-0.94	-1.03	0.04	-0.02
Difference from Nation	-1.68	0.87	0.03	-1.32	-0.95	-0.19	-0.12
Rank Among 50 States	32	9	8	48	48	42	44

Note: Delaware has no nonmetropolitan area.

DISTRICT OF COLUMBIA

2019 Employment: 819,920

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.01	5.92	0.39	1.27	0.34	0.97	0.13
Difference from Nation	3.50	2.81	0.26	0.05	-0.10	0.55	-0.08
Rank Among 51 States	1	1	1	20	45	4	49
Change in Share	0.66	1.48	0.11	-0.30	-0.20	-0.27	-0.15
Difference from Nation	-0.17	0.74	0.05	-0.40	-0.08	-0.33	-0.15
Rank Among 51 States	28	2	4	51	49	51	51

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Washington-Arlington-Alexandria DC-VA-MD-WV (2019 Employment: 3,545,622 of which 819,920 is in DE; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.01	5.92	0.39	1.27	0.34	0.97	0.13
Difference from SC	2.58	2.04	0.23	-0.04	-0.09	0.52	-0.07
Change in Share	0.66	1.48	0.11	-0.30	-0.20	-0.27	-0.15
Difference from SC	-0.21	0.61	0.04	-0.34	-0.05	-0.33	-0.15

Note: The District of Columbia has no nonmetropolitan area and no “county not reported.”

FLORIDA

2019 Employment: 9,907,064

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.13	2.51	0.08	0.81	0.36	0.24	0.13
Difference from Nation	-1.38	-0.60	-0.04	-0.41	-0.08	-0.17	-0.08
Rank Among 51 States	40	29	35	46	43	48	48
Change in Share	0.51	0.54	0.04	0.04	-0.15	0.03	0.01
Difference from Nation	-0.32	-0.20	-0.02	-0.06	-0.02	-0.02	0.01
Rank Among 51 States	35	30	38	38	36	28	17

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Cape Coral-Fort Myers, FL (2019 Employment: 296,250; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.53	1.44	0.07	0.46	0.25	0.21	0.10
Difference from SC	-2.10	-0.84	-0.02	-0.76	-0.19	-0.19	-0.10
Rank in SC	40	34	25	43	42	37	39
Change in Share	0.28	0.30	0.03	0.00	-0.14	0.07	0.02
Difference from SC	-0.19	-0.10	0.00	-0.09	-0.02	0.01	0.01
Rank in SC	24	21	18	36	31	12	13

Crestview-Fort Walton Beach-Destin, FL (2019 Employment: 140,733; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.98	2.92	0.18	1.69	0.66	0.39	0.14
Difference from SC	1.88	1.03	0.11	0.58	0.22	0.01	-0.07
Rank in SC	10	10	2	7	11	17	46
Change in Share	0.31	0.51	0.09	-0.08	-0.19	0.00	-0.02
Difference from SC	-0.05	0.23	0.06	-0.20	-0.08	-0.05	-0.02
Rank in SC	31	13	2	50	52	47	42

Deltona-Daytona Beach-Ormond Beach, FL (2019 Employment: 221,257; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.33	1.23	0.03	0.56	0.25	0.17	0.10
Difference from SC	-2.30	-1.05	-0.05	-0.66	-0.19	-0.23	-0.11
Rank in SC	42	38	44	40	41	40	42
Change in Share	0.04	0.02	0.01	0.06	-0.11	0.05	0.02
Difference from SC	-0.43	-0.38	-0.02	-0.03	0.01	-0.01	0.01
Rank in SC	36	42	41	22	25	21	15

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FLORIDA (continued)

Gainesville, FL (2019 Employment: 164,077; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.55	2.25	0.06	0.75	0.35	0.80	0.33
Difference from SC	0.44	0.37	-0.01	-0.36	-0.10	0.42	0.12
Rank in SC	21	17	31	44	41	8	7
Change in Share	0.19	0.18	0.02	0.01	-0.17	0.17	-0.02
Difference from SC	-0.17	-0.10	-0.01	-0.10	-0.05	0.12	-0.02
Rank in SC	39	38	49	44	47	5	45

Homosassa Springs, FL (2019 Employment: 36,705; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.03	1.10	0.01	0.45	0.18	0.16	0.14
Difference from SC	-1.58	-0.40	-0.05	-0.61	-0.23	-0.19	-0.10
Rank in SC	111	76	120	108	113	99	91
Change in Share	-0.81	0.03	0.00	-0.51	-0.11	-0.01	-0.21
Difference from SC	-1.21	-0.19	-0.03	-0.69	-0.05	-0.05	-0.21
Rank in SC	122	98	119	123	90	88	123

Jacksonville, FL (2019 Employment: 758,405; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.21	2.57	0.09	0.84	0.41	0.20	0.10
Difference from SC	-1.19	-0.33	-0.03	-0.46	-0.08	-0.19	-0.11
Rank in SC	38	27	22	39	28	42	45
Change in Share	0.34	0.44	0.04	0.03	-0.15	0.00	-0.01
Difference from SC	-0.29	-0.09	-0.01	-0.12	-0.03	-0.04	0.00
Rank in SC	29	22	22	36	35	33	22

Lakeland-Winter Haven, FL (2019 Employment: 251,364; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.61	1.30	0.05	0.60	0.27	0.26	0.13
Difference from SC	-2.03	-0.98	-0.04	-0.62	-0.18	-0.14	-0.08
Rank in SC	38	37	36	38	39	30	33
Change in Share	0.20	0.19	0.02	0.02	-0.09	0.07	-0.01
Difference from SC	-0.27	-0.22	-0.02	-0.06	0.03	0.01	-0.01
Rank in SC	28	30	34	29	20	13	31

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FLORIDA (continued)

Miami-Fort Lauderdale-Pompano Beach, FL (2019 Employment: 2,971,304; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.46	2.17	0.07	0.61	0.29	0.21	0.13
Difference from SC	-2.98	-1.72	-0.09	-0.71	-0.14	-0.24	-0.08
Rank in SC	34	34	34	35	35	32	34
Change in Share	0.22	0.32	0.03	-0.02	-0.15	0.03	0.01
Difference from SC	-0.66	-0.55	-0.04	-0.05	0.01	-0.03	0.01
Rank in SC	34	34	34	25	18	21	11

Naples-Marco Island, FL (2019 Employment: 168,475; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.23	1.08	0.03	0.52	0.28	0.21	0.11
Difference from SC	-1.87	-0.80	-0.04	-0.59	-0.17	-0.17	-0.10
Rank in SC	57	54	56	57	53	50	55
Change in Share	0.26	0.20	0.02	0.08	-0.15	0.08	0.01
Difference from SC	-0.10	-0.08	-0.01	-0.03	-0.03	0.04	0.01
Rank in SC	36	31	39	33	44	13	23

North Port-Sarasota-Bradenton, FL (2019 Employment: 333,584; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.57	1.53	0.05	0.47	0.29	0.15	0.09
Difference from SC	-2.06	-0.75	-0.03	-0.74	-0.16	-0.25	-0.12
Rank in SC	39	32	31	42	36	43	45
Change in Share	0.19	0.24	0.03	0.00	-0.14	0.04	0.01
Difference from SC	-0.28	-0.16	-0.01	-0.08	-0.02	-0.02	0.01
Rank in SC	30	25	23	31	30	24	18

Ocala, FL (2019 Employment: 118,037; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.12	0.90	0.04	0.61	0.35	0.14	0.09
Difference from SC	-1.80	-0.89	-0.04	-0.38	-0.09	-0.25	-0.16
Rank in SC	68	64	54	54	41	70	68
Change in Share	0.07	-0.01	0.02	0.05	-0.07	0.05	0.03
Difference from SC	-0.26	-0.21	-0.02	-0.07	0.02	-0.01	0.02
Rank in SC	54	57	57	39	28	30	21

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FLORIDA (continued)

Orlando-Kissimmee-Sanford, FL (2019 Employment: 1,390,357; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.48	2.78	0.10	0.93	0.38	0.18	0.10
Difference from SC	-1.96	-1.11	-0.05	-0.39	-0.04	-0.27	-0.10
Rank in SC	31	30	29	29	24	34	36
Change in Share	0.39	0.50	0.05	0.02	-0.19	0.01	0.00
Difference from SC	-0.49	-0.37	-0.02	-0.01	-0.03	-0.05	0.00
Rank in SC	28	28	29	20	28	26	21

Palm Bay-Melbourne-Titusville, FL (2019 Employment: 246,639; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.43	4.00	0.11	3.81	1.14	0.26	0.11
Difference from SC	4.80	1.72	0.03	2.59	0.70	-0.14	-0.10
Rank in SC	3	7	10	2	2	32	38
Change in Share	1.57	1.06	0.03	0.59	-0.08	-0.01	-0.03
Difference from SC	1.10	0.65	0.00	0.51	0.05	-0.07	-0.04
Rank in SC	1	3	17	1	15	40	37

Panama City, FL (2019 Employment: 84,793; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.13	1.75	0.07	2.17	0.75	0.27	0.12
Difference from SC	1.21	-0.04	0.00	1.18	0.32	-0.12	-0.12
Rank in SC	14	26	29	5	5	38	61
Change in Share	0.74	0.20	0.03	0.56	-0.02	0.00	-0.03
Difference from SC	0.41	-0.01	0.00	0.43	0.07	-0.05	-0.03
Rank in SC	12	34	32	3	13	55	53

Pensacola-Ferry Pass-Brent, FL (2019 Employment: 207,560; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.40	1.79	0.07	0.74	0.34	0.28	0.17
Difference from SC	-1.24	-0.49	-0.01	-0.48	-0.10	-0.12	-0.04
Rank in SC	33	26	24	32	26	29	26
Change in Share	0.19	0.35	0.03	0.00	-0.14	-0.02	-0.03
Difference from SC	-0.28	-0.06	0.00	-0.09	-0.02	-0.08	-0.04
Rank in SC	31	20	20	37	33	42	38

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FLORIDA (continued)

Port St. Lucie, FL (2019 Employment: 168,421; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.62	1.39	0.04	0.57	0.28	0.21	0.14
Difference from SC	-1.48	-0.50	-0.03	-0.54	-0.16	-0.18	-0.07
Rank in SC	55	41	54	53	50	51	42
Change in Share	-0.06	0.17	0.02	-0.11	-0.13	0.02	-0.03
Difference from SC	-0.43	-0.11	-0.01	-0.23	-0.01	-0.03	-0.03
Rank in SC	52	40	48	51	39	37	50

Punta Gorda, FL (2019 Employment: 53,865; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.75	0.91	0.01	0.38	0.20	0.17	0.07
Difference from SC	-1.86	-0.59	-0.05	-0.67	-0.22	-0.18	-0.16
Rank in SC	120	106	114	121	112	95	117
Change in Share	0.04	0.17	0.01	-0.06	-0.11	0.04	-0.01
Difference from SC	-0.37	-0.05	-0.02	-0.24	-0.05	0.00	-0.01
Rank in SC	88	59	89	107	91	57	74

Sebastian-Vero Beach, FL (2019 Employment: 60,042; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.31	1.02	0.02	0.52	0.44	0.06	0.24
Difference from SC	-1.30	-0.48	-0.04	-0.54	0.02	-0.28	0.01
Rank in SC	102	87	89	104	36	121	41
Change in Share	0.12	0.22	0.02	0.01	-0.19	-0.01	0.07
Difference from SC	-0.28	0.00	-0.01	-0.16	-0.12	-0.06	0.07
Rank in SC	79	46	56	88	110	94	14

Sebring-Avon Park, FL (2019 Employment: 31,314; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.87	1.12	0.00	0.14	0.24	0.02	0.35
Difference from SC	-1.74	-0.38	-0.06	-0.92	-0.18	-0.32	0.12
Rank in SC	119	72	123	124	101	124	16
Change in Share	0.03	0.27	0.00	-0.12	-0.07	-0.09	0.05
Difference from SC	-0.38	0.05	-0.03	-0.30	0.00	-0.14	0.04
Rank in SC	89	43	121	115	64	120	26

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FLORIDA (continued)

Tallahassee, FL (2019 Employment: 194,872; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.59	3.48	0.11	0.75	0.33	0.65	0.27
Difference from SC	1.48	1.59	0.04	-0.36	-0.11	0.27	0.06
Rank in SC	11	3	11	43	43	10	12
Change in Share	-0.03	0.17	0.03	-0.05	-0.22	0.07	-0.03
Difference from SC	-0.39	-0.11	0.00	-0.17	-0.10	0.02	-0.03
Rank in SC	51	39	22	48	53	18	48

Tampa-St. Petersburg-Clearwater, FL (2019 Employment: 1,442,453; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.96	3.37	0.09	0.75	0.35	0.26	0.14
Difference from SC	-1.47	-0.51	-0.07	-0.57	-0.08	-0.19	-0.06
Rank in SC	29	20	33	32	26	27	32
Change in Share	0.83	0.83	0.04	0.04	-0.16	0.05	0.02
Difference from SC	-0.05	-0.04	-0.03	0.01	0.00	-0.01	0.03
Rank in SC	22	15	30	18	22	14	6

The Villages, FL (2019 Employment: 34,438; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.95	0.87	0.01	0.48	0.24	0.20	0.16
Difference from SC	-1.66	-0.63	-0.05	-0.58	-0.18	-0.14	-0.07
Rank in SC	116	111	115	105	103	83	72
Change in Share	-0.03	0.20	0.01	-0.02	0.01	-0.06	-0.16
Difference from SC	-0.44	-0.03	-0.02	-0.20	0.07	-0.11	-0.16
Rank in SC	96	51	98	95	21	115	120

NONMETROPOLITAN AREA (2019 Employment: 227,320)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.16	0.74	0.05	0.62	0.30	0.29	0.17
Difference from Nation	-0.63	-0.28	0.01	-0.22	-0.07	-0.03	-0.05
Rank Among 47 States	41	45	12	36	33	26	32
Change in Share	0.10	0.05	0.02	0.09	-0.05	0.00	-0.01
Difference from Nation	-0.07	-0.05	0.00	-0.01	0.03	-0.04	0.00
Rank Among 47 States	32	36	16	23	16	40	28

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FLORIDA (continued)

COUNTY NOT REPORTED (2019 Employment: 304,801)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	10.28	7.79	0.25	1.17	0.45	0.41	0.20
Difference from Nation	-2.06	-1.40	-0.05	-0.38	-0.06	-0.11	-0.05
Rank Among 50 States	27	27	24	35	29	30	34
Change in Share	5.52	4.70	0.19	0.38	-0.12	0.24	0.12
Difference from Nation	-0.03	-0.01	-0.03	0.01	-0.04	0.02	0.02
Rank Among 50 States	19	15	21	20	34	19	19

GEORGIA

2019 Employment: 5,059,031

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.38	3.46	0.13	1.02	0.32	0.27	0.18
Difference from Nation	-0.13	0.35	0.00	-0.20	-0.12	-0.14	-0.03
Rank Among 51 States	22	11	17	30	48	42	36
Change in Share	0.81	0.82	0.06	0.04	-0.12	0.02	-0.01
Difference from Nation	-0.02	0.08	0.00	-0.05	0.00	-0.04	0.00
Rank Among 51 States	21	13	20	37	32	32	26

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Albany, GA (2019 Employment: 66,261; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.40	1.13	0.03	0.64	0.26	0.17	0.17
Difference from SC	-1.21	-0.37	-0.03	-0.41	-0.16	-0.17	-0.07
Rank in SC	97	70	84	87	92	92	69
Change in Share	-0.06	0.23	0.01	-0.04	-0.10	-0.11	-0.03
Difference from SC	-0.46	0.00	-0.02	-0.21	-0.04	-0.16	-0.04
Rank in SC	97	45	92	100	85	122	94

Athens-Clarke County, GA (2019 Employment: 103,739; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.05	1.96	0.08	0.55	0.26	0.78	1.42
Difference from SC	1.13	0.17	0.00	-0.45	-0.18	0.40	1.18
Rank in SC	15	22	24	59	61	5	1
Change in Share	-0.37	0.08	0.05	-0.05	-0.11	-0.01	-0.33
Difference from SC	-0.70	-0.13	0.01	-0.17	-0.03	-0.06	-0.33
Rank in SC	67	52	12	58	48	61	71

Atlanta-Sandy Springs-Alpharetta, GA (2019 Employment: 2,983,996; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.55	4.53	0.16	1.12	0.30	0.28	0.15
Difference from SC	0.11	0.64	0.00	-0.19	-0.13	-0.17	-0.05
Rank in SC	13	9	14	24	33	26	29
Change in Share	0.93	0.97	0.07	-0.01	-0.15	0.03	0.01
Difference from SC	0.05	0.10	0.00	-0.04	0.00	-0.03	0.01
Rank in SC	16	12	19	23	20	22	12

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GEORGIA (continued)

Brunswick, GA (2019 Employment:47,813; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.19	0.92	0.03	0.60	0.29	0.22	0.14
Difference from SC	-1.42	-0.57	-0.03	-0.46	-0.13	-0.13	-0.09
Rank in SC	107	102	80	94	88	80	89
Change in Share	0.08	0.08	0.01	0.10	-0.06	-0.01	-0.04
Difference from SC	-0.33	-0.14	-0.02	-0.08	0.00	-0.06	-0.04
Rank in SC	85	86	73	59	61	95	96

Dalton, GA (2019 Employment: 68,498; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.89	1.55	0.03	0.73	0.27	0.22	0.09
Difference from SC	-0.72	0.05	-0.03	-0.32	-0.15	-0.13	-0.14
Rank in SC	75	37	86	76	90	79	114
Change in Share	-1.03	-1.20	0.00	0.10	-0.05	0.09	0.02
Difference from SC	-1.44	-1.42	-0.03	-0.07	0.02	0.04	0.02
Rank in SC	123	124	113	58	46	30	43

Gainesville, GA (2019 Employment: 98,382; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.31	0.98	0.04	0.68	0.28	0.16	0.16
Difference from SC	-1.61	-0.81	-0.03	-0.31	-0.15	-0.22	-0.08
Rank in SC	62	59	50	47	54	63	43
Change in Share	-0.02	0.11	0.03	-0.01	-0.13	0.00	-0.01
Difference from SC	-0.35	-0.09	-0.01	-0.13	-0.05	-0.05	-0.01
Rank in SC	60	44	40	51	54	58	41

Hinesville, GA (2019 Employment: 37,098; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.74	1.66	0.10	1.00	0.36	0.40	0.22
Difference from SC	0.13	0.16	0.04	-0.06	-0.06	0.05	-0.01
Rank in SC	35	30	15	45	64	38	46
Change in Share	-0.53	-0.17	0.02	-0.03	-0.15	-0.12	-0.08
Difference from SC	-0.94	-0.39	-0.01	-0.21	-0.08	-0.17	-0.08
Rank in SC	120	118	53	96	106	123	113

(continued)

GEORGIA (continued)

Macon-Bibb County, GA (2019 Employment: 109,369; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.79	1.60	0.14	0.49	0.23	0.19	0.13
Difference from SC	-1.12	-0.18	0.07	-0.50	-0.21	-0.19	-0.11
Rank in SC	52	34	6	65	65	54	57
Change in Share	0.14	0.22	0.08	-0.05	-0.15	0.03	0.01
Difference from SC	-0.20	0.02	0.05	-0.18	-0.06	-0.02	0.00
Rank in SC	48	29	4	59	60	37	35

Rome, GA (2019 Employment: 44,808; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.45	1.49	0.01	0.44	0.17	0.23	0.10
Difference from SC	-1.16	-0.01	-0.05	-0.61	-0.25	-0.12	-0.13
Rank in SC	94	39	108	111	117	77	106
Change in Share	0.14	0.16	0.00	0.00	-0.06	0.07	-0.02
Difference from SC	-0.26	-0.06	-0.03	-0.18	0.01	0.02	-0.03
Rank in SC	75	63	114	91	58	41	86

Savannah, GA (2019 Employment: 198,336; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.65	1.24	0.05	1.55	0.40	0.22	0.19
Difference from SC	-0.46	-0.65	-0.02	0.45	-0.05	-0.16	-0.02
Rank in SC	34	47	47	12	34	46	29
Change in Share	0.25	0.09	0.02	0.24	-0.15	0.02	0.03
Difference from SC	-0.11	-0.19	-0.01	0.13	-0.04	-0.03	0.03
Rank in SC	37	47	40	13	45	41	11

Valdosta, GA (2019 Employment: 65,808; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.42	1.19	0.05	0.60	0.24	0.28	0.06
Difference from SC	-1.19	-0.31	-0.01	-0.46	-0.17	-0.06	-0.17
Rank in SC	96	65	61	95	98	65	119
Change in Share	0.63	0.44	0.03	0.16	-0.04	0.05	-0.01
Difference from SC	0.22	0.22	0.00	-0.02	0.03	0.01	-0.02
Rank in SC	29	21	45	45	41	51	77

(continued)

GEORGIA (continued)

Warner Robins, GA (2019 Employment: 83,256; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.97	2.68	0.15	2.53	1.02	0.36	0.24
Difference from SC	3.05	0.89	0.07	1.54	0.58	-0.03	-0.01
Rank in SC	4	7	4	3	2	30	24
Change in Share	-0.88	-0.16	0.05	-0.09	-0.27	-0.19	-0.23
Difference from SC	-1.21	-0.36	0.01	-0.21	-0.18	-0.24	-0.23
Rank in SC	70	66	11	65	69	70	70

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Augusta-Richmond County, GA-SC (2019 Employment: 267,432 of which 191,982 is in GA; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.62	1.70	0.06	0.92	0.39	0.30	0.25
Difference from SC	-1.01	-0.58	-0.02	-0.30	-0.05	-0.10	0.04
Change in Share	0.43	0.36	0.02	0.17	-0.02	-0.02	-0.08
Difference from SC	-0.04	-0.05	-0.02	0.09	0.11	-0.08	-0.08

Columbus, GA-AL (2019 Employment: 149,656 of which 133,398 is in GA; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.46	3.75	0.15	0.75	0.35	0.25	0.20
Difference from SC	1.36	1.87	0.08	-0.36	-0.10	-0.13	-0.01
Change in Share	0.46	0.69	0.06	-0.14	-0.11	-0.01	-0.04
Difference from SC	0.10	0.41	0.03	-0.26	0.01	-0.06	-0.04

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Chattanooga, TN-GA (2019 Employment: 281,128 of which 38,450 is in GA; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.86	1.80	0.10	1.02	0.53	0.25	0.16
Difference from SC	-0.78	-0.48	0.01	-0.20	0.08	-0.15	-0.05
Change in Share	0.29	0.10	0.02	0.18	0.00	-0.01	0.00
Difference from SC	-0.18	-0.30	-0.01	0.10	0.12	-0.07	-0.01

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GEORGIA (continued)

NONMETROPOLITAN AREA (2019 Employment: 659,883)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.05	0.81	0.04	0.62	0.28	0.18	0.13
Difference from Nation	-0.74	-0.20	-0.01	-0.22	-0.09	-0.13	-0.09
Rank Among 47 States	43	41	28	37	34	41	43
Change in Share	-0.03	0.05	0.01	0.00	-0.10	0.00	0.00
Difference from Nation	-0.20	-0.05	-0.01	-0.10	-0.02	-0.04	0.01
Rank Among 47 States	42	38	41	40	38	38	21

COUNTY NOT REPORTED (2019 Employment: 127,963)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	12.48	9.44	0.25	1.59	0.47	0.43	0.29
Difference from Nation	0.13	0.25	-0.05	0.04	-0.04	-0.10	0.03
Rank Among 50 States	19	20	23	17	28	27	14
Change in Share	4.82	4.13	0.17	0.31	-0.12	0.20	0.15
Difference from Nation	-0.73	-0.58	-0.05	-0.06	-0.05	-0.03	0.04
Rank Among 50 States	26	23	26	25	36	28	14

HAWAII

2019 Employment: 781,757

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.90	1.83	0.06	0.97	0.39	0.40	0.26
Difference from Nation	-1.61	-1.28	-0.07	-0.25	-0.05	-0.01	0.05
Rank Among 51 States	42	43	45	38	36	24	12
Change in Share	0.09	0.13	0.02	0.09	-0.08	-0.01	-0.05
Difference from Nation	-0.74	-0.62	-0.04	0.00	0.04	-0.07	-0.05
Rank Among 51 States	49	49	47	25	15	48	46

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Kahului-Wailuku-Lahaina, HI (2019 Employment: 90,984; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.72	0.71	0.00	0.34	0.27	0.23	0.17
Difference from SC	-2.20	-1.08	-0.07	-0.65	-0.17	-0.16	-0.07
Rank in SC	71	70	71	70	59	45	38
Change in Share	0.21	0.16	-0.01	0.02	0.02	0.01	0.01
Difference from SC	-0.12	-0.04	-0.04	-0.11	0.10	-0.04	0.00
Rank in SC	44	37	71	48	8	50	33

Urban Honolulu, HI (2019 Employment: 565,209; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.56	2.21	0.07	1.17	0.44	0.44	0.24
Difference from SC	-0.84	-0.68	-0.05	-0.13	-0.05	0.05	0.03
Rank in SC	32	34	31	27	24	11	12
Change in Share	0.06	0.13	0.02	0.12	-0.09	-0.03	-0.09
Difference from SC	-0.57	-0.40	-0.03	-0.02	0.02	-0.07	-0.08
Rank in SC	36	38	36	23	17	39	45

NONMETROPOLITAN AREA (2019 Employment: 123,648)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.44	0.84	0.04	0.50	0.25	0.37	0.45
Difference from Nation	-0.34	-0.18	-0.01	-0.34	-0.11	0.05	0.23
Rank Among 47 States	34	37	24	42	40	16	8
Change in Share	0.29	0.20	0.01	0.06	-0.09	0.07	0.05
Difference from Nation	0.13	0.10	0.00	-0.04	-0.01	0.03	0.06
Rank Among 47 States	17	12	31	29	37	12	2

(continued)

HAWAII (continued)

COUNTY NOT REPORTED (2019 Employment: 1,915)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.15	4.66	0.00	1.57	0.27	0.39	0.27
Difference from Nation	-5.20	-4.54	-0.30	0.01	-0.24	-0.14	0.02
Rank Among 50 States	42	43	48	18	46	34	20
Change in Share	5.84	3.49	0.00	1.46	0.23	0.39	0.27
Difference from Nation	0.28	-1.22	-0.22	1.09	0.31	0.16	0.17
Rank Among 50 States	12	28	46	2	5	12	7

IDAHO

2019 Employment: 859,624

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.02	2.19	0.10	1.39	0.44	0.51	0.39
Difference from Nation	-0.48	-0.92	-0.03	0.17	0.00	0.09	0.19
Rank Among 51 States	27	33	30	14	25	13	3
Change in Share	0.21	0.38	0.04	0.00	-0.17	-0.01	-0.04
Difference from Nation	-0.62	-0.36	-0.02	-0.09	-0.04	-0.07	-0.04
Rank Among 51 States	45	41	37	43	43	47	44

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Boise City, ID (2019 Employment: 373,993; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.98	2.90	0.14	1.70	0.59	0.42	0.22
Difference from SC	0.58	0.01	0.02	0.40	0.10	0.04	0.02
Rank in SC	12	17	13	7	10	13	14
Change in Share	-0.07	0.27	0.05	-0.14	-0.26	0.02	-0.02
Difference from SC	-0.70	-0.26	0.01	-0.28	-0.14	-0.01	-0.01
Rank in SC	41	31	13	42	43	21	34

Coeur d'Alene, ID (2019 Employment: 72,229; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.21	1.36	0.03	0.87	0.34	0.32	0.30
Difference from SC	-0.40	-0.14	-0.03	-0.18	-0.08	-0.03	0.07
Rank in SC	53	48	87	56	68	53	28
Change in Share	0.14	0.11	0.02	0.07	-0.12	0.00	0.06
Difference from SC	-0.27	-0.12	-0.01	-0.11	-0.05	-0.04	0.06
Rank in SC	76	81	66	69	92	80	17

Idaho Falls, ID (2019 Employment: 76,279; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.57	2.41	0.15	3.23	0.63	1.18	0.97
Difference from SC	4.65	0.63	0.07	2.24	0.20	0.80	0.72
Rank in SC	2	10	5	1	8	3	2
Change in Share	-0.94	0.11	0.03	-0.41	-0.41	-0.27	0.02
Difference from SC	-1.27	-0.09	-0.01	-0.53	-0.32	-0.32	0.01
Rank in SC	71	43	37	71	71	71	28

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IDAHO (continued)

Pocatello, ID (2019 Employment: 43,071; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.60	1.38	0.03	1.10	0.43	0.43	0.23
Difference from SC	-0.01	-0.12	-0.03	0.05	0.01	0.08	0.00
Rank in SC	38	45	73	31	42	32	42
Change in Share	0.28	0.09	0.01	0.20	-0.10	0.08	0.00
Difference from SC	-0.12	-0.13	-0.02	0.03	-0.03	0.04	-0.01
Rank in SC	59	83	87	37	82	34	71

Twin Falls, ID (2019 Employment: 56,676; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.36	0.94	0.03	0.42	0.15	0.30	0.52
Difference from SC	-1.25	-0.56	-0.03	-0.64	-0.26	-0.05	0.29
Rank in SC	99	99	69	115	120	60	10
Change in Share	0.53	0.19	0.02	0.07	-0.05	0.07	0.22
Difference from SC	0.12	-0.03	-0.01	-0.10	0.02	0.03	0.22
Rank in SC	42	54	48	68	52	40	2

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Lewiston, ID-WA (2019 Employment: 30,000 of which 22,688 is in ID; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.18	1.21	0.03	1.24	0.13	0.29	0.28
Difference from SC	-0.43	-0.29	-0.03	0.19	-0.29	-0.06	0.05
Change in Share	0.75	0.14	0.02	0.49	0.01	0.06	0.03
Difference from SC	0.34	-0.08	-0.01	0.31	0.08	0.01	0.03

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Logan, UT-ID (2019 Employment: 67,606 of which 4,311 is in ID; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.49	0.70	0.00	0.30	0.02	0.37	0.10
Difference from SC	-2.12	-0.80	-0.06	-0.75	-0.40	0.03	-0.13
Change in Share	0.20	0.17	0.00	-0.03	-0.02	0.01	0.07
Difference from SC	-0.20	-0.05	-0.03	-0.20	0.04	-0.03	0.07

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IDAHO (continued)

NONMETROPOLITAN AREA (2019 Employment: 197,743)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.30	1.28	0.05	0.63	0.23	0.57	0.54
Difference from Nation	0.51	0.27	0.01	-0.21	-0.13	0.25	0.33
Rank Among 47 States	12	8	9	34	44	8	4
Change in Share	0.12	0.34	0.02	0.08	-0.08	-0.03	-0.20
Difference from Nation	-0.04	0.24	0.00	-0.02	0.00	-0.07	-0.19
Rank Among 47 States	30	5	19	26	29	46	45

COUNTY NOT REPORTED (2019 Employment: 12,634)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	14.14	9.59	0.21	2.24	0.69	0.73	0.68
Difference from Nation	1.79	0.39	-0.09	0.68	0.18	0.20	0.43
Rank Among 50 States	9	17	28	5	6	12	2
Change in Share	4.06	3.31	0.12	-0.17	0.09	0.39	0.33
Difference from Nation	-1.49	-1.40	-0.10	-0.55	0.17	0.16	0.22
Rank Among 50 States	30	30	32	46	10	13	4

ILLINOIS

2019 Employment: 6,553,132

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.13	3.12	0.16	1.00	0.37	0.29	0.18
Difference from Nation	-0.38	0.01	0.04	-0.22	-0.07	-0.12	-0.03
Rank Among 51 States	26	17	7	32	41	40	42
Change in Share	0.69	0.65	0.08	0.07	-0.11	0.01	-0.01
Difference from Nation	-0.14	-0.10	0.02	-0.03	0.01	-0.04	-0.01
Rank Among 51 States	27	18	6	32	27	36	33

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Bloomington, IL (2019 Employment: 90,762; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	11.10	9.63	0.52	0.44	0.15	0.21	0.15
Difference from SC	7.18	7.84	0.44	-0.55	-0.28	-0.17	-0.09
Rank in SC	1	1	1	68	70	50	49
Change in Share	2.39	2.51	0.29	-0.26	-0.12	-0.01	-0.02
Difference from SC	2.06	2.30	0.25	-0.38	-0.03	-0.06	-0.02
Rank in SC	1	1	1	69	51	59	44

Carbondale-Marion, IL (2019 Employment: 62,167; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.15	1.59	0.07	0.69	0.26	0.32	0.23
Difference from SC	-0.46	0.09	0.01	-0.37	-0.16	-0.03	0.00
Rank in SC	56	34	32	84	96	54	45
Change in Share	0.23	0.21	0.04	0.16	-0.09	-0.01	-0.08
Difference from SC	-0.18	-0.01	0.01	-0.02	-0.02	-0.06	-0.08
Rank in SC	67	50	29	46	80	96	112

Champaign-Urbana, IL (2019 Employment: 107,026; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.74	3.52	0.04	0.74	0.30	0.77	0.38
Difference from SC	1.82	1.74	-0.03	-0.26	-0.14	0.38	0.13
Rank in SC	10	3	49	42	52	6	9
Change in Share	0.28	0.37	0.01	-0.07	-0.16	0.14	-0.02
Difference from SC	-0.05	0.17	-0.02	-0.19	-0.07	0.09	-0.02
Rank in SC	41	18	62	62	62	5	48

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ILLINOIS (continued)

Danville, IL (2019 Employment: 29,128; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.28	0.94	0.11	0.98	0.54	0.41	0.30
Difference from SC	-0.34	-0.56	0.05	-0.07	0.12	0.06	0.07
Rank in SC	52	98	10	47	20	37	26
Change in Share	0.28	0.02	0.06	0.16	-0.03	0.08	0.00
Difference from SC	-0.13	-0.20	0.03	-0.02	0.03	0.03	0.00
Rank in SC	60	103	10	47	38	37	66

Decatur, IL (2019 Employment: 52,532; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.42	1.03	0.06	1.02	0.49	0.49	0.33
Difference from SC	-0.19	-0.47	0.00	-0.04	0.07	0.15	0.10
Rank in SC	46	85	39	42	28	22	20
Change in Share	0.74	0.09	0.05	0.26	-0.04	0.27	0.13
Difference from SC	0.34	-0.14	0.02	0.08	0.03	0.22	0.12
Rank in SC	24	84	17	27	43	2	6

Kankakee, IL (2019 Employment: 48,465; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.11	0.90	0.08	0.59	0.38	0.46	0.69
Difference from SC	-0.51	-0.60	0.02	-0.46	-0.04	0.11	0.46
Rank in SC	60	107	22	97	58	25	6
Change in Share	0.96	0.13	0.06	0.15	0.06	0.20	0.36
Difference from SC	0.55	-0.09	0.03	-0.02	0.12	0.16	0.36
Rank in SC	14	73	13	48	7	5	1

Peoria, IL (2019 Employment: 188,098; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.23	2.38	0.11	2.51	0.90	0.20	0.14
Difference from SC	2.13	0.49	0.04	1.40	0.45	-0.19	-0.07
Rank in SC	9	15	9	3	1	52	44
Change in Share	1.27	0.63	0.06	0.66	0.01	-0.06	-0.03
Difference from SC	0.91	0.35	0.03	0.55	0.12	-0.11	-0.03
Rank in SC	2	10	3	2	6	58	47

(continued)

ILLINOIS (continued)

Rockford, IL (2019 Employment: 157,270; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.23	1.25	0.04	1.19	0.52	0.13	0.09
Difference from SC	-0.87	-0.64	-0.03	0.09	0.08	-0.26	-0.12
Rank in SC	42	46	49	22	14	60	59
Change in Share	0.15	0.11	0.02	0.13	-0.12	0.02	-0.01
Difference from SC	-0.21	-0.17	-0.01	0.02	0.00	-0.03	-0.01
Rank in SC	40	45	45	25	33	39	39

Springfield, IL (2019 Employment: 141,340; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.43	3.06	0.19	1.03	0.50	0.49	0.16
Difference from SC	1.32	1.17	0.12	-0.08	0.05	0.11	-0.05
Rank in SC	12	8	1	26	17	12	38
Change in Share	0.00	0.09	0.05	0.04	-0.27	0.11	-0.02
Difference from SC	-0.37	-0.20	0.02	-0.08	-0.15	0.06	-0.02
Rank in SC	50	48	8	39	60	8	44

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Chicago-Naperville-Elgin, IL-IN-WI (2019 Employment: 4,953,964 of which 4,586,174 is in IL; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.26	3.32	0.18	0.95	0.34	0.30	0.18
Difference from SC	-1.18	-0.57	0.02	-0.36	-0.09	-0.15	-0.02
Change in Share	0.61	0.62	0.08	0.04	-0.11	0.00	-0.02
Difference from SC	-0.27	-0.25	0.01	0.01	0.04	-0.06	-0.02

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Cape Girardeau, MO-IL (2019 Employment: 49,068 of which 1,221 is in IL; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.30	1.24	0.07	0.40	0.21	0.19	0.19
Difference from SC	-1.31	-0.26	0.01	-0.65	-0.21	-0.15	-0.05
Change in Share	0.24	0.18	0.04	-0.03	-0.02	0.03	0.04
Difference from SC	-0.17	-0.04	0.01	-0.21	0.05	-0.02	0.04

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ILLINOIS (continued)

Davenport-Moline-Rock Island, IA-IL (2019 Employment: 198,335 of which 98,284 is in IL; 108 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.58	2.80	0.06	1.99	0.32	0.29	0.11
Difference from SC	1.47	0.92	-0.01	0.88	-0.13	-0.09	-0.10
Change in Share	0.52	0.13	0.01	0.45	-0.04	0.00	-0.03
Difference from SC	0.16	-0.15	-0.02	0.33	0.07	-0.05	-0.03

St. Louis, MO-IL (2019 Employment: 1,484,028 of which 265,894 is in IL; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.55	1.70	0.24	1.01	0.30	0.23	0.07
Difference from SC	-2.89	-2.18	0.08	-0.30	-0.13	-0.22	-0.13
Change in Share	0.43	0.31	0.14	0.09	-0.08	-0.01	-0.03
Difference from SC	-0.45	-0.56	0.07	0.06	0.08	-0.07	-0.03

NONMETROPOLITAN AREA (2019 Employment: 568,493)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.58	0.98	0.04	0.82	0.41	0.17	0.17
Difference from Nation	-0.20	-0.04	0.00	-0.02	0.04	-0.15	-0.04
Rank Among 47 States	30	24	19	23	15	42	29
Change in Share	0.06	0.03	0.02	0.04	-0.09	0.04	0.02
Difference from Nation	-0.10	-0.07	0.00	-0.06	-0.01	0.00	0.03
Rank Among 47 States	34	40	13	32	33	23	14

COUNTY NOT REPORTED (2019 Employment: 156,178)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	11.76	9.19	0.37	1.25	0.41	0.34	0.21
Difference from Nation	-0.58	0.00	0.07	-0.31	-0.10	-0.19	-0.05
Rank Among 50 States	23	21	9	32	34	39	33
Change in Share	4.40	4.00	0.26	0.12	-0.15	0.10	0.08
Difference from Nation	-1.15	-0.71	0.04	-0.25	-0.07	-0.13	-0.03
Rank Among 50 States	28	24	7	37	38	38	31

INDIANA

2019 Employment: 3,388,870

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.46	2.11	0.08	1.24	0.43	0.44	0.17
Difference from Nation	-1.05	-1.00	-0.04	0.02	0.00	0.03	-0.04
Rank Among 51 States	35	34	37	22	26	20	43
Change in Share	0.83	0.55	0.04	0.19	-0.07	0.10	0.01
Difference from Nation	0.00	-0.20	-0.01	0.10	0.06	0.04	0.01
Rank Among 51 States	19	29	32	8	7	10	14

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Bloomington, IN (2019 Employment: 81,481; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.71	2.83	0.11	1.23	0.44	1.43	0.67
Difference from SC	2.79	1.04	0.04	0.24	0.01	1.04	0.42
Rank in SC	7	5	13	16	27	1	3
Change in Share	1.06	0.04	0.07	0.45	0.05	0.42	0.03
Difference from SC	0.72	-0.16	0.03	0.33	0.13	0.36	0.03
Rank in SC	4	55	6	5	4	2	17

Columbus, IN (2019 Employment: 54,467; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	11.14	2.82	0.12	5.62	2.10	0.33	0.14
Difference from SC	7.53	1.33	0.06	4.57	1.68	-0.02	-0.09
Rank in SC	2	9	9	2	2	50	80
Change in Share	4.80	1.29	0.09	2.68	0.66	0.07	0.01
Difference from SC	4.39	1.07	0.06	2.51	0.73	0.02	0.01
Rank in SC	1	2	4	1	1	43	56

Elkhart-Goshen, IN (2019 Employment: 140,974; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.05	1.10	0.03	1.31	0.43	0.10	0.07
Difference from SC	-1.06	-0.79	-0.04	0.21	-0.01	-0.29	-0.14
Rank in SC	47	51	58	17	29	62	61
Change in Share	0.40	0.31	0.02	0.23	-0.11	-0.04	0.00
Difference from SC	0.03	0.03	-0.01	0.11	0.00	-0.09	0.00
Rank in SC	28	20	53	16	31	56	30

(continued)

INDIANA (continued)

Fort Wayne, IN (2019 Employment: 224,240; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.12	1.91	0.08	1.35	0.51	0.16	0.10
Difference from SC	-0.52	-0.37	-0.01	0.14	0.07	-0.24	-0.11
Rank in SC	19	22	20	13	13	41	41
Change in Share	0.20	0.27	0.03	0.04	-0.14	0.00	0.00
Difference from SC	-0.28	-0.14	0.00	-0.05	-0.02	-0.06	-0.01
Rank in SC	29	23	21	25	32	37	27

Indianapolis-Carmel-Anderson, IN (2019 Employment: 1,130,040; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.69	3.17	0.13	1.05	0.33	0.79	0.23
Difference from SC	-0.74	-0.72	-0.03	-0.26	-0.10	0.34	0.03
Rank in SC	23	24	24	27	30	5	12
Change in Share	0.90	0.79	0.06	0.01	-0.14	0.17	0.00
Difference from SC	0.02	-0.08	-0.01	-0.02	0.01	0.11	0.01
Rank in SC	18	17	23	21	17	4	19

Kokomo, IN (2019 Employment: 41,357; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.79	1.31	0.04	2.18	0.84	0.26	0.15
Difference from SC	1.18	-0.19	-0.02	1.13	0.43	-0.09	-0.09
Rank in SC	16	53	64	9	7	67	77
Change in Share	-0.56	-0.07	0.02	-0.36	-0.25	0.07	0.03
Difference from SC	-0.97	-0.29	-0.01	-0.54	-0.19	0.03	0.03
Rank in SC	121	112	63	122	120	38	33

Lafayette-West Lafayette, IN (2019 Employment: 111,106; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.53	1.98	0.08	1.39	0.43	0.44	0.21
Difference from SC	0.61	0.19	0.00	0.40	0.00	0.05	-0.03
Rank in SC	19	21	27	11	29	25	29
Change in Share	0.84	0.36	0.04	0.48	-0.04	0.03	-0.04
Difference from SC	0.51	0.15	0.01	0.36	0.05	-0.02	-0.04
Rank in SC	8	20	20	4	21	36	56

(continued)

INDIANA (continued)

Michigan City-La Porte, IN (2019 Employment: 44,159; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.38	0.73	0.02	1.00	0.43	0.12	0.08
Difference from SC	-1.23	-0.77	-0.04	-0.05	0.02	-0.22	-0.15
Rank in SC	98	120	101	44	40	108	115
Change in Share	0.25	0.03	0.01	0.22	-0.02	0.01	0.00
Difference from SC	-0.16	-0.19	-0.02	0.04	0.05	-0.03	0.00
Rank in SC	64	100	91	34	34	69	64

Muncie, IN (2019 Employment: 51,316; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.78	2.56	0.10	0.54	0.24	0.18	0.16
Difference from SC	0.17	1.06	0.04	-0.52	-0.18	-0.16	-0.07
Rank in SC	34	12	17	103	105	88	73
Change in Share	0.77	0.74	0.06	-0.01	-0.08	0.03	0.02
Difference from SC	0.36	0.52	0.03	-0.18	-0.01	-0.01	0.02
Rank in SC	22	9	9	92	72	61	46

Terre Haute, IN (2019 Employment: 76,336; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.52	1.10	0.04	0.68	0.28	0.26	0.15
Difference from SC	-1.40	-0.68	-0.04	-0.31	-0.15	-0.13	-0.09
Rank in SC	59	56	55	45	57	39	46
Change in Share	-0.32	-0.15	0.02	0.03	-0.09	-0.08	-0.05
Difference from SC	-0.65	-0.35	-0.01	-0.09	0.00	-0.13	-0.06
Rank in SC	66	65	48	46	38	67	64

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Evansville, IN-KY (2019 Employment: 166,420 of which 145,375 is in IN; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.47	1.40	0.04	1.02	0.39	0.39	0.22
Difference from SC	-0.64	-0.48	-0.03	-0.08	-0.05	0.00	0.01
Change in Share	0.05	0.16	0.02	0.06	-0.13	-0.05	-0.02
Difference from SC	-0.31	-0.12	-0.01	-0.05	-0.02	-0.10	-0.01

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INDIANA (continued)

South Bend-Mishawaka, IN-MI (2019 Employment: 152,349 of which 141,350 is in IN; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.54	1.83	0.07	0.90	0.36	0.25	0.13
Difference from SC	-0.57	-0.06	0.00	-0.20	-0.09	-0.14	-0.08
Change in Share	0.47	0.39	0.05	0.04	-0.08	0.07	0.00
Difference from SC	0.11	0.11	0.02	-0.08	0.03	0.02	0.00

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Chicago-Naperville-Elgin, IL-IN-WI (2019 Employment: 4,953,964 of which 293,674 is in IN; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.81	1.03	0.04	1.03	0.39	0.22	0.11
Difference from SC	-3.62	-2.85	-0.12	-0.28	-0.04	-0.23	-0.09
Change in Share	0.53	0.20	0.02	0.21	0.03	0.05	0.02
Difference from SC	-0.35	-0.67	-0.05	0.18	0.19	-0.01	0.02

Cincinnati, OH-KY-IN (2019 Employment: 1,164,906 of which 24,534 is in IN; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.92	0.68	0.01	0.48	0.60	0.10	0.04
Difference from SC	-4.51	-3.20	-0.15	-0.83	0.17	-0.34	-0.16
Change in Share	0.64	0.16	0.00	0.24	0.18	0.04	0.01
Difference from SC	-0.24	-0.71	-0.07	0.20	0.33	-0.02	0.02

Louisville/Jefferson County, KY-IN (2019 Employment: 694,657 of which 111,949 is in IN; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.43	1.38	0.05	1.26	0.45	0.13	0.16
Difference from SC	-1.97	-1.52	-0.08	-0.04	-0.04	-0.25	-0.04
Change in Share	0.93	0.47	0.03	0.35	0.02	0.02	0.04
Difference from SC	0.29	-0.06	-0.02	0.21	0.13	-0.02	0.05

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INDIANA (continued)

NONMETROPOLITAN AREA (2019 Employment: 637,174)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.12	0.99	0.04	1.39	0.47	0.15	0.09
Difference from Nation	0.33	-0.03	-0.01	0.55	0.11	-0.17	-0.13
Rank Among 47 States	14	22	25	3	5	46	45
Change in Share	0.45	0.18	0.02	0.27	-0.05	0.03	0.01
Difference from Nation	0.28	0.08	0.00	0.17	0.03	-0.01	0.02
Rank Among 47 States	10	17	18	4	17	30	19

COUNTY NOT REPORTED (2019 Employment: 79,338)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.27	6.25	0.16	1.55	0.52	0.60	0.20
Difference from Nation	-3.07	-2.95	-0.14	-0.01	0.01	0.07	-0.06
Rank Among 50 States	34	33	34	19	21	15	37
Change in Share	4.90	3.38	0.13	0.77	0.11	0.41	0.11
Difference from Nation	-0.65	-1.33	-0.09	0.39	0.19	0.18	0.01
Rank Among 50 States	25	29	31	7	8	10	21

IOWA

2019 Employment: 1,755,976

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.57	2.45	0.11	0.98	0.45	0.35	0.25
Difference from Nation	-0.94	-0.66	-0.02	-0.24	0.01	-0.07	0.04
Rank Among 51 States	33	30	25	36	23	30	15
Change in Share	0.96	0.62	0.05	0.19	-0.04	0.11	0.03
Difference from Nation	0.13	-0.13	-0.01	0.10	0.09	0.05	0.03
Rank Among 51 States	13	21	27	9	2	7	2

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Ames, IA (2019 Employment: 67,663; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.00	3.47	0.06	1.10	0.50	1.08	0.79
Difference from SC	3.39	1.97	0.00	0.05	0.08	0.73	0.56
Rank in SC	6	4	41	32	24	5	4
Change in Share	0.99	0.95	0.00	0.20	-0.21	0.23	-0.18
Difference from SC	0.58	0.73	-0.03	0.03	-0.14	0.19	-0.18
Rank in SC	13	4	120	36	116	4	121

Cedar Rapids, IA (2019 Employment: 157,276; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.98	4.69	0.13	2.02	0.70	0.26	0.18
Difference from SC	3.87	2.80	0.06	0.91	0.25	-0.12	-0.03
Rank in SC	1	1	6	5	9	29	33
Change in Share	1.47	1.35	0.05	0.09	-0.09	0.07	0.00
Difference from SC	1.11	1.07	0.02	-0.03	0.02	0.02	0.00
Rank in SC	1	1	9	30	27	17	28

Des Moines-West Des Moines, IA (2019 Employment: 417,548; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.14	4.21	0.23	0.81	0.37	0.27	0.25
Difference from SC	0.74	1.31	0.11	-0.49	-0.12	-0.12	0.05
Rank in SC	10	6	5	41	36	31	8
Change in Share	1.45	1.08	0.09	0.19	-0.03	0.06	0.05
Difference from SC	0.82	0.55	0.04	0.05	0.09	0.03	0.06
Rank in SC	4	6	6	14	3	8	3

(continued)

IOWA (continued)

Dubuque, IA (2019 Employment: 64,535; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.93	2.10	0.07	1.99	0.56	0.09	0.12
Difference from SC	1.32	0.60	0.01	0.94	0.14	-0.25	-0.12
Rank in SC	15	19	36	10	19	115	102
Change in Share	1.37	0.35	0.06	0.83	0.07	0.05	0.02
Difference from SC	0.96	0.13	0.03	0.65	0.13	0.00	0.02
Rank in SC	7	31	14	5	6	55	44

Iowa City, IA (2019 Employment: 109,566; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.75	2.79	0.11	0.73	0.32	1.32	0.48
Difference from SC	1.83	1.00	0.04	-0.26	-0.12	0.93	0.24
Rank in SC	9	6	11	43	50	2	5
Change in Share	0.40	-0.13	0.02	0.04	-0.15	0.54	0.07
Difference from SC	0.07	-0.33	-0.01	-0.08	-0.06	0.49	0.06
Rank in SC	29	62	44	42	59	1	9

Waterloo-Cedar Falls, IA (2019 Employment: 97,708; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.94	1.72	0.08	1.31	0.50	0.17	0.15
Difference from SC	0.02	-0.07	0.01	0.32	0.07	-0.21	-0.10
Rank in SC	27	27	20	13	19	61	51
Change in Share	0.83	0.42	0.04	0.39	-0.01	0.02	-0.03
Difference from SC	0.50	0.21	0.01	0.26	0.08	-0.03	-0.03
Rank in SC	9	14	22	8	11	43	54

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Davenport-Moline-Rock Island, IA-IL (2019 Employment: 198,335 of which 99,952 is in IA; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.42	1.94	0.14	1.00	0.94	0.22	0.17
Difference from SC	0.31	0.06	0.07	-0.11	0.50	-0.17	-0.04
Change in Share	1.16	0.51	0.10	0.37	0.10	0.07	0.02
Difference from SC	0.80	0.23	0.07	0.25	0.21	0.02	0.02

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IOWA (continued)

Sioux City, IA-NE-SD (2019 Employment: 83,145 of which 56,820 is in IA; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.99	0.96	0.05	0.37	0.28	0.14	0.18
Difference from SC	-1.93	-0.82	-0.02	-0.62	-0.15	-0.24	-0.07
Change in Share	0.31	0.10	0.03	0.09	-0.03	0.04	0.08
Difference from SC	-0.02	-0.10	0.00	-0.04	0.06	-0.01	0.07

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Omaha-Council Bluffs, NE-IA (2019 Employment: 543,362 of which 54,564 is in IA; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.54	0.87	0.01	0.33	0.11	0.20	0.03
Difference from SC	-3.86	-2.03	-0.11	-0.97	-0.38	-0.19	-0.18
Change in Share	0.29	0.16	-0.01	0.09	0.00	0.04	0.00
Difference from SC	-0.35	-0.37	-0.06	-0.05	0.12	0.01	0.00

NONMETROPOLITAN AREA (2019 Employment: 627,775)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.77	1.02	0.03	0.81	0.40	0.28	0.23
Difference from Nation	-0.01	0.00	-0.01	-0.03	0.04	-0.04	0.02
Rank Among 47 States	27	20	31	26	18	27	15
Change in Share	0.38	0.12	0.02	0.12	-0.03	0.07	0.07
Difference from Nation	0.22	0.02	0.00	0.03	0.05	0.04	0.08
Rank Among 47 States	13	25	11	20	9	11	1

COUNTY NOT REPORTED (2019 Employment: 2,570)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.85	8.30	0.50	0.00	0.00	0.05	0.00
Difference from Nation	-3.49	-0.90	0.20	-1.56	-0.51	-0.47	-0.25
Rank Among 50 States	35	25	3	49	49	49	49
Change in Share							
Difference from Nation							
Rank Among 50 States							

Note: Iowa had no “county not reported” in in 2005.

KANSAS

2019 Employment: 1,585,465

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.75	2.56	0.10	1.21	0.39	0.30	0.19
Difference from Nation	-0.76	-0.55	-0.02	-0.01	-0.05	-0.11	-0.02
Rank Among 51 States	32	28	28	25	37	36	34
Change in Share	0.51	0.58	0.05	-0.05	-0.14	0.06	0.02
Difference from Nation	-0.32	-0.17	-0.01	-0.14	-0.02	0.00	0.02
Rank Among 51 States	34	25	28	49	35	19	9

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Lawrence, KS (2019 Employment: 60,522; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.18	2.72	0.09	0.61	0.18	0.34	0.22
Difference from SC	0.56	1.22	0.03	-0.44	-0.24	-0.01	-0.01
Rank in SC	28	10	19	91	114	46	47
Change in Share	0.94	0.68	0.07	0.11	-0.08	0.12	0.05
Difference from SC	0.54	0.45	0.04	-0.07	-0.01	0.08	0.05
Rank in SC	15	11	7	57	75	19	23

Manhattan, KS (2019 Employment: 73,732; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.07	1.95	0.07	0.78	0.35	0.50	0.42
Difference from SC	0.46	0.45	0.01	-0.28	-0.07	0.15	0.19
Rank in SC	30	23	26	67	65	21	12
Change in Share	0.20	0.32	0.03	0.08	-0.07	-0.05	-0.10
Difference from SC	-0.20	0.10	0.00	-0.10	0.00	-0.10	-0.10
Rank in SC	68	35	42	67	66	113	116

Topeka, KS (2019 Employment: 119,722; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.22	2.49	0.13	0.68	0.33	0.36	0.23
Difference from SC	0.30	0.70	0.06	-0.31	-0.10	-0.03	-0.02
Rank in SC	20	9	9	46	46	29	26
Change in Share	0.81	0.67	0.05	0.11	-0.11	0.04	0.05
Difference from SC	0.48	0.47	0.02	-0.01	-0.02	-0.01	0.05
Rank in SC	10	4	10	31	46	31	12

(continued)

KANSAS (continued)

Wichita, KS (2019 Employment: 329,069; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.92	1.94	0.08	2.07	0.51	0.20	0.12
Difference from SC	0.29	-0.34	0.00	0.86	0.06	-0.20	-0.09
Rank in SC	14	21	19	6	14	39	37
Change in Share	-0.63	0.23	0.04	-0.64	-0.30	0.04	0.01
Difference from SC	-1.10	-0.18	0.01	-0.73	-0.18	-0.03	0.00
Rank in SC	45	26	12	46	45	25	24

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Kansas City, MO-KS (2019 Employment: 1,164,460 of which 526,745 is in KS; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.91	4.30	0.16	1.39	0.47	0.38	0.21
Difference from SC	0.48	0.41	0.00	0.08	0.04	-0.07	0.01
Change in Share	0.88	0.87	0.06	0.01	-0.17	0.08	0.02
Difference from SC	0.01	0.00	0.00	-0.02	-0.01	0.02	0.03

St. Joseph, MO-KS (2019 Employment: 59,951 of which 3,031 is in KS; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.42	0.93	0.00	0.33	0.01	0.14	0.01
Difference from SC	-2.19	-0.57	-0.06	-0.73	-0.40	-0.20	-0.22
Change in Share	0.65	0.65	0.00	-0.03	-0.02	0.08	-0.03
Difference from SC	0.24	0.43	-0.03	-0.21	0.05	0.04	-0.04

NONMETROPOLITAN AREA (2019 Employment: 449,684)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.30	0.94	0.04	0.68	0.26	0.23	0.15
Difference from Nation	-0.49	-0.08	-0.01	-0.16	-0.10	-0.09	-0.06
Rank Among 47 States	38	30	27	31	37	34	35
Change in Share	0.26	0.11	0.01	0.13	-0.07	0.05	0.02
Difference from Nation	0.10	0.01	0.00	0.04	0.01	0.01	0.03
Rank Among 47 States	20	28	27	17	27	20	11

COUNTY NOT REPORTED (2019 Employment: 22,961)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.83	5.61	0.26	1.09	0.23	0.45	0.19
Difference from Nation	-4.51	-3.59	-0.04	-0.46	-0.28	-0.08	-0.06
Rank Among 50 States	37	37	21	41	47	24	38
Change in Share	3.18	2.16	0.21	0.53	0.03	0.22	0.03
Difference from Nation	-2.37	-2.55	-0.01	0.16	0.11	-0.01	-0.07
Rank Among 50 States	35	38	17	12	15	26	40

KENTUCKY

2019 Employment: 2,130,514

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.71	1.83	0.09	0.99	0.42	0.25	0.13
Difference from Nation	-1.80	-1.28	-0.03	-0.23	-0.01	-0.17	-0.08
Rank Among 51 States	47	42	33	33	28	46	50
Change in Share	0.46	0.38	0.04	0.14	-0.10	0.01	-0.02
Difference from Nation	-0.37	-0.36	-0.01	0.04	0.02	-0.05	-0.02
Rank Among 51 States	39	40	31	20	20	41	36

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Bowling Green, KY (2019 Employment: 82,858; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.01	0.96	0.08	1.27	0.50	0.13	0.07
Difference from SC	-0.91	-0.82	0.00	0.28	0.06	-0.26	-0.17
Rank in SC	48	62	25	14	20	71	70
Change in Share	0.43	0.13	0.04	0.34	-0.05	-0.01	-0.02
Difference from SC	0.10	-0.08	0.01	0.22	0.04	-0.06	-0.03
Rank in SC	27	40	14	11	24	63	51

Elizabethtown-Fort Knox, KY (2019 Employment: 63,418; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.34	2.63	0.11	0.94	0.32	0.17	0.17
Difference from SC	0.73	1.13	0.05	-0.11	-0.10	-0.17	-0.06
Rank in SC	24	11	11	49	78	93	68
Change in Share	0.56	0.91	0.05	-0.02	-0.15	-0.10	-0.14
Difference from SC	0.15	0.69	0.02	-0.19	-0.08	-0.14	-0.14
Rank in SC	35	5	21	94	104	121	118

Lexington-Fayette, KY (2019 Employment: 300,024; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.20	1.74	0.16	1.19	0.42	0.45	0.23
Difference from SC	-0.43	-0.54	0.08	-0.02	-0.02	0.05	0.02
Rank in SC	18	28	4	16	23	9	15
Change in Share	-0.06	-0.05	0.08	0.01	-0.19	0.07	0.01
Difference from SC	-0.54	-0.45	0.04	-0.07	-0.07	0.01	0.01
Rank in SC	42	44	2	30	37	11	16

(continued)

KENTUCKY (continued)

Owensboro, KY (2019 Employment: 58,210; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.35	0.94	0.03	0.78	0.33	0.18	0.09
Difference from SC	-1.26	-0.56	-0.03	-0.27	-0.09	-0.16	-0.14
Rank in SC	100	97	85	65	75	87	113
Change in Share	0.35	0.15	0.02	0.20	-0.07	0.02	0.03
Difference from SC	-0.05	-0.07	-0.01	0.02	-0.01	-0.02	0.03
Rank in SC	50	65	58	38	69	66	32

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Louisville/Jefferson County, KY-IN (2019 Employment: 694,657 of which 582,708 is in KY; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.87	2.98	0.14	1.11	0.39	0.15	0.10
Difference from SC	-0.53	0.08	0.02	-0.19	-0.10	-0.23	-0.10
Change in Share	1.03	0.78	0.07	0.27	-0.07	0.00	-0.01
Difference from SC	0.40	0.25	0.01	0.13	0.05	-0.04	-0.01

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Cincinnati, OH-KY-IN (2019 Employment: 1,164,906 of which 222,882 is in KY; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.56	1.58	0.03	1.02	0.66	0.21	0.06
Difference from SC	-2.87	-2.30	-0.13	-0.29	0.23	-0.24	-0.15
Change in Share	0.66	0.33	0.01	0.31	0.03	-0.01	-0.01
Difference from SC	-0.21	-0.54	-0.06	0.28	0.18	-0.07	0.00

Clarksville, TN-KY (2019 Employment: 131,066 of which 64,192 is in KY; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.25	1.53	0.05	1.00	0.37	0.19	0.12
Difference from SC	-0.86	-0.36	-0.02	-0.11	-0.08	-0.20	-0.09
Change in Share	-0.66	0.17	0.01	-0.37	-0.27	-0.13	-0.06
Difference from SC	-1.02	-0.11	-0.02	-0.49	-0.15	-0.18	-0.06

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KENTUCKY (continued)

Evansville, IN-KY (2019 Employment: 166,420 of which 21,045 is in KY; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.59	0.74	0.25	1.00	0.11	0.45	0.04
Difference from SC	-1.51	-1.14	0.18	-0.10	-0.34	0.07	-0.17
Change in Share	0.36	0.24	0.09	0.03	-0.09	0.09	0.01
Difference from SC	-0.01	-0.04	0.06	-0.09	0.02	0.04	0.01

Huntington-Ashland, WV-KY-OH (2019 Employment: 144,675 of which 41,281 is in KY; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.48	0.81	0.03	0.88	0.29	0.34	0.13
Difference from SC	-1.63	-1.08	-0.04	-0.22	-0.15	-0.04	-0.08
Change in Share	0.29	0.09	0.02	0.15	-0.05	0.08	0.00
Difference from SC	-0.08	-0.19	-0.01	0.04	0.06	0.03	0.00

NONMETROPOLITAN AREA (2019 Employment: 666,147)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.65	1.03	0.04	0.76	0.42	0.26	0.14
Difference from Nation	-0.14	0.01	0.00	-0.08	0.06	-0.06	-0.08
Rank Among 47 States	29	19	16	28	12	31	42
Change in Share	0.03	0.11	0.02	0.04	-0.12	0.01	-0.03
Difference from Nation	-0.13	0.01	0.00	-0.06	-0.04	-0.03	-0.02
Rank Among 47 States	38	31	22	34	42	35	32

COUNTY NOT REPORTED (2019 Employment: 27,749)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.74	5.44	0.20	1.16	0.39	0.41	0.15
Difference from Nation	-4.60	-3.76	-0.10	-0.40	-0.12	-0.11	-0.10
Rank Among 50 States	39	40	29	38	36	31	46
Change in Share	2.84	2.25	0.15	0.29	-0.12	0.20	0.06
Difference from Nation	-2.71	-2.45	-0.07	-0.08	-0.04	-0.03	-0.04
Rank Among 50 States	38	35	28	29	35	27	35

LOUISIANA

2019 Employment: 2,168,144

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.25	1.20	0.03	0.97	0.50	0.28	0.27
Difference from Nation	-2.26	-1.91	-0.09	-0.25	0.06	-0.13	0.06
Rank Among 51 States	49	51	51	37	15	41	8
Change in Share	0.10	0.04	0.01	0.11	-0.06	0.00	0.02
Difference from Nation	-0.73	-0.71	-0.05	0.01	0.06	-0.06	0.02
Rank Among 51 States	48	50	51	24	6	46	8

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Alexandria, LA (2019 Employment: 66,550; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.64	0.85	0.06	0.63	0.49	0.33	0.28
Difference from SC	-0.97	-0.64	0.00	-0.42	0.07	-0.01	0.04
Rank in SC	87	113	49	88	27	48	33
Change in Share	0.06	0.01	0.03	0.08	0.04	-0.05	-0.05
Difference from SC	-0.35	-0.21	0.00	-0.09	0.11	-0.10	-0.06
Rank in SC	86	104	34	63	9	112	101

Baton Rouge, LA (2019 Employment: 436,768; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.43	1.52	0.04	1.39	0.67	0.38	0.43
Difference from SC	-0.97	-1.37	-0.08	0.09	0.18	-0.01	0.23
Rank in SC	36	41	44	21	4	16	1
Change in Share	0.36	-0.01	0.01	0.25	0.01	0.04	0.06
Difference from SC	-0.28	-0.54	-0.04	0.11	0.13	0.00	0.06
Rank in SC	28	45	43	12	1	18	1

Hammond, LA (2019 Employment: 49,781; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.90	0.94	0.01	0.40	0.23	0.16	0.17
Difference from SC	-1.71	-0.56	-0.05	-0.66	-0.18	-0.19	-0.07
Rank in SC	117	100	113	117	106	101	70
Change in Share	0.09	0.06	0.00	0.08	-0.01	-0.03	-0.01
Difference from SC	-0.32	-0.16	-0.03	-0.09	0.06	-0.07	-0.01
Rank in SC	84	90	122	64	28	102	75

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LOUISIANA (continued)

Houma-Thibodaux, LA (2019 Employment: 92,879; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.58	0.75	0.01	0.97	0.48	0.16	0.20
Difference from SC	-1.34	-1.04	-0.06	-0.02	0.04	-0.22	-0.04
Rank in SC	57	69	68	28	22	62	30
Change in Share	0.13	-0.06	0.01	0.12	-0.02	0.02	0.07
Difference from SC	-0.20	-0.27	-0.03	0.00	0.07	-0.04	0.07
Rank in SC	49	60	67	29	14	46	8

Lafayette, LA (2019 Employment: 221,298; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.72	0.83	0.03	0.80	0.57	0.23	0.26
Difference from SC	-1.91	-1.45	-0.05	-0.42	0.13	-0.17	0.05
Rank in SC	37	45	46	29	8	34	11
Change in Share	0.10	0.09	0.01	0.05	-0.08	-0.02	0.05
Difference from SC	-0.37	-0.31	-0.02	-0.03	0.04	-0.08	0.04
Rank in SC	33	37	46	23	17	44	7

Lake Charles, LA (2019 Employment: 120,710; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.52	0.70	0.02	1.51	0.56	0.27	0.46
Difference from SC	-0.40	-1.09	-0.06	0.52	0.13	-0.11	0.22
Rank in SC	38	71	66	9	14	37	6
Change in Share	0.31	-0.12	0.01	0.35	0.02	0.00	0.06
Difference from SC	-0.02	-0.33	-0.03	0.23	0.11	-0.05	0.05
Rank in SC	40	61	66	9	6	57	11

Monroe, LA (2019 Employment: 90,823; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.12	0.96	0.02	0.53	0.34	0.14	0.13
Difference from SC	-1.80	-0.82	-0.06	-0.47	-0.10	-0.24	-0.11
Rank in SC	66	61	65	63	43	67	54
Change in Share	0.00	0.08	0.00	-0.04	-0.03	0.01	-0.01
Difference from SC	-0.33	-0.12	-0.03	-0.17	0.06	-0.05	-0.01
Rank in SC	56	51	70	56	20	52	40

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LOUISIANA (continued)

New Orleans-Metairie, LA (2019 Employment: 621,998; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.57	1.42	0.04	1.04	0.53	0.30	0.25
Difference from SC	-1.83	-1.48	-0.08	-0.26	0.04	-0.09	0.04
Rank in SC	42	43	45	33	17	27	11
Change in Share	-0.12	0.03	0.01	0.03	-0.15	-0.03	-0.02
Difference from SC	-0.75	-0.49	-0.04	-0.11	-0.03	-0.07	-0.01
Rank in SC	42	42	44	35	34	41	32

Shreveport-Bossier City, LA (2019 Employment: 187,089; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.32	1.06	0.04	0.55	0.28	0.24	0.15
Difference from SC	-1.78	-0.82	-0.03	-0.56	-0.17	-0.15	-0.06
Rank in SC	56	55	51	55	51	39	40
Change in Share	-0.37	-0.13	0.01	-0.12	-0.12	-0.02	0.01
Difference from SC	-0.73	-0.41	-0.02	-0.23	-0.01	-0.07	0.01
Rank in SC	58	60	57	54	36	52	20

NONMETROPOLITAN AREA (2019 Employment: 248,053)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.29	0.93	0.03	0.64	0.30	0.24	0.15
Difference from Nation	-0.50	-0.08	-0.01	-0.20	-0.06	-0.08	-0.06
Rank Among 47 States	39	31	40	33	31	33	34
Change in Share	0.05	0.08	0.01	0.07	-0.09	-0.01	-0.01
Difference from Nation	-0.12	-0.02	-0.01	-0.03	-0.01	-0.05	0.00
Rank Among 47 States	36	34	42	27	35	42	29

COUNTY NOT REPORTED (2019 Employment: 32,196)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.12	2.77	0.03	1.16	0.53	0.33	0.30
Difference from Nation	-7.23	-6.43	-0.28	-0.40	0.02	-0.19	0.05
Rank Among 50 States	48	48	42	37	20	40	12
Change in Share	1.62	0.40	0.03	0.48	0.30	0.22	0.20
Difference from Nation	-3.93	-4.31	-0.19	0.11	0.38	-0.01	0.10
Rank Among 50 States	45	47	40	15	4	25	9

MAINE

2019 Employment: 711,602

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.27	2.06	0.12	0.98	0.54	0.39	0.17
Difference from Nation	-1.24	-1.05	0.00	-0.24	0.11	-0.02	-0.04
Rank Among 51 States	39	36	19	35	6	25	44
Change in Share	0.75	0.48	0.06	0.20	-0.09	0.08	0.01
Difference from Nation	-0.08	-0.27	0.01	0.11	0.03	0.02	0.01
Rank Among 51 States	22	36	15	7	16	15	12

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Bangor, ME (2019 Employment: 78,795; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.09	1.53	0.08	0.64	0.39	0.30	0.15
Difference from SC	-0.83	-0.25	0.01	-0.36	-0.04	-0.09	-0.09
Rank in SC	44	40	21	52	35	33	48
Change in Share	-0.26	-0.26	0.04	0.07	-0.11	0.02	-0.02
Difference from SC	-0.59	-0.47	0.01	-0.05	-0.02	-0.04	-0.02
Rank in SC	65	69	21	37	44	47	49

Lewiston-Auburn, ME (2019 Employment: 54,943; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.07	1.81	0.09	0.55	0.38	0.16	0.10
Difference from SC	-0.54	0.31	0.03	-0.51	-0.04	-0.19	-0.14
Rank in SC	63	25	20	102	56	100	111
Change in Share	0.94	0.66	0.06	0.13	0.01	0.05	0.03
Difference from SC	0.53	0.44	0.03	-0.05	0.08	0.01	0.03
Rank in SC	16	12	12	52	19	52	36

Portland-South Portland, ME (2019 Employment: 316,301; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.19	2.55	0.16	1.25	0.68	0.38	0.17
Difference from SC	0.56	0.27	0.08	0.03	0.24	-0.02	-0.04
Rank in SC	13	13	6	14	5	16	25
Change in Share	1.09	0.76	0.08	0.28	-0.14	0.09	0.01
Difference from SC	0.61	0.35	0.04	0.20	-0.02	0.03	0.00
Rank in SC	5	9	3	4	29	7	23

(continued)

MAINE (continued)

NONMETROPOLITAN AREA (2019 Employment: 247,548)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.39	1.41	0.09	0.80	0.43	0.48	0.19
Difference from Nation	0.61	0.40	0.04	-0.04	0.07	0.16	-0.03
Rank Among 47 States	11	6	5	27	10	11	23
Change in Share	0.35	0.13	0.04	0.13	-0.06	0.10	0.02
Difference from Nation	0.19	0.03	0.02	0.03	0.02	0.06	0.03
Rank Among 47 States	14	22	5	19	24	6	12

COUNTY NOT REPORTED (2019 Employment: 14,015)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	10.01	6.47	0.32	1.69	0.81	0.50	0.23
Difference from Nation	-2.33	-2.73	0.02	0.13	0.30	-0.03	-0.03
Rank Among 50 States	28	29	10	13	3	19	27
Change in Share	1.41	1.55	0.22	-0.07	-0.45	0.10	0.06
Difference from Nation	-4.14	-3.15	0.00	-0.44	-0.37	-0.13	-0.04
Rank Among 50 States	46	43	15	42	47	37	36

MARYLAND

2019 Employment: 3,040,327

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.47	4.76	0.32	1.63	0.49	1.01	0.27
Difference from Nation	2.96	1.65	0.19	0.41	0.05	0.60	0.06
Rank Among 51 States	2	4	2	3	17	2	9
Change in Share	1.20	0.98	0.14	0.09	-0.16	0.17	-0.02
Difference from Nation	0.37	0.24	0.08	-0.01	-0.04	0.11	-0.02
Rank Among 51 States	5	9	1	26	39	2	35

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Baltimore-Columbia-Towson, MD (2019 Employment: 1,517,350; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.86	4.67	0.26	1.54	0.50	0.60	0.30
Difference from SC	1.43	0.78	0.11	0.22	0.07	0.15	0.10
Rank in SC	9	8	2	11	13	10	6
Change in Share	1.23	1.23	0.11	0.02	-0.18	0.04	-0.01
Difference from SC	0.35	0.36	0.04	-0.01	-0.02	-0.02	0.00
Rank in SC	9	7	2	19	25	17	25

California-Lexington Park, MD (2019 Employment: 51,900; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	23.40	8.94	1.37	9.17	2.91	0.80	0.22
Difference from SC	19.79	7.44	1.31	8.11	2.49	0.46	-0.01
Rank in SC	1	1	1	1	1	7	48
Change in Share	2.89	-0.23	0.62	2.49	0.17	-0.01	-0.16
Difference from SC	2.49	-0.45	0.59	2.32	0.24	-0.05	-0.16
Rank in SC	2	119	1	2	3	89	119

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Cumberland, MD-WV (2019 Employment: 40,399 of which 31,455 is in MD; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.00	2.08	0.14	1.02	0.20	0.54	0.02
Difference from SC	0.39	0.59	0.08	-0.04	-0.21	0.19	-0.21
Change in Share	1.24	0.81	0.08	0.19	-0.05	0.22	-0.02
Difference from SC	0.83	0.59	0.05	0.02	0.02	0.18	-0.02

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MARYLAND (continued)

Hagerstown-Martinsburg, MD-WV (2019 Employment: 113,560 of which 69,738 is in MD; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.73	2.03	0.06	1.09	0.25	0.25	0.05
Difference from SC	-0.19	0.25	-0.01	0.09	-0.19	-0.13	-0.19
Change in Share	0.55	0.19	0.01	0.35	-0.05	0.06	-0.01
Difference from SC	0.22	-0.01	-0.02	0.23	0.04	0.01	-0.02

Salisbury, MD-DE (2019 Employment: 177,917 of which 84,781 is in MD; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.47	1.07	0.01	0.65	0.30	0.32	0.11
Difference from SC	-1.64	-0.82	-0.06	-0.45	-0.14	-0.06	-0.10
Change in Share	-0.03	0.14	0.01	-0.06	-0.20	0.09	0.00
Difference from SC	-0.40	-0.14	-0.02	-0.18	-0.09	0.04	0.00

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Philadelphia-Camden-Wilmington, PA-NJ-DE-MD (2019 Employment: 3,123,144 of which 37,234 is in MD; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.80	1.21	0.12	1.95	0.52	0.93	0.07
Difference from SC	-1.64	-2.68	-0.04	0.64	0.09	0.48	-0.13
Change in Share	-0.34	0.26	-0.05	-0.24	-0.11	-0.03	-0.18
Difference from SC	-1.22	-0.61	-0.12	-0.27	0.04	-0.09	-0.18

Washington-Arlington-Alexandria, DC-VA-MD-WV (2019 Employment: 3,545,622 of which 1,095,920 is in MD; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.08	4.78	0.38	1.54	0.40	1.72	0.26
Difference from SC	2.64	0.89	0.23	0.22	-0.03	1.27	0.06
Change in Share	0.52	0.26	0.16	-0.01	-0.19	0.35	-0.04
Difference from SC	-0.35	-0.62	0.09	-0.05	-0.04	0.29	-0.03

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MARYLAND (continued)

NONMETROPOLITAN AREA (2019 Employment: 67,902)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.82	1.34	0.02	0.50	0.25	0.55	0.17
Difference from Nation	0.03	0.32	-0.02	-0.34	-0.11	0.23	-0.04
Rank Among 47 States	23	7	46	43	38	9	30
Change in Share	0.34	0.24	0.01	0.00	-0.07	0.11	0.04
Difference from Nation	0.18	0.14	-0.01	-0.10	0.01	0.07	0.05
Rank Among 47 States	16	10	32	41	26	5	5

COUNTY NOT REPORTED (2019 Employment: 84,046)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	20.08	14.98	0.65	2.27	0.60	1.27	0.31
Difference from Nation	7.73	5.79	0.34	0.71	0.09	0.75	0.05
Rank Among 50 States	1	1	1	3	12	2	11
Change in Share	8.37	6.62	0.45	0.57	-0.14	0.73	0.14
Difference from Nation	2.82	1.91	0.23	0.19	-0.06	0.50	0.04
Rank Among 50 States	3	4	2	10	37	4	15

MASSACHUSETTS

2019 Employment: 4,035,393

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.71	4.23	0.20	1.54	0.46	1.01	0.28
Difference from Nation	2.20	1.12	0.07	0.32	0.02	0.60	0.07
Rank Among 51 States	5	6	6	9	22	3	7
Change in Share	1.44	0.99	0.09	0.08	-0.17	0.40	0.05
Difference from Nation	0.61	0.25	0.03	-0.01	-0.05	0.34	0.05
Rank Among 51 States	2	8	5	30	46	1	1

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Barnstable Town, MA (2019 Employment: 112,693; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.53	1.63	0.09	0.78	0.25	0.62	0.16
Difference from SC	-0.39	-0.16	0.01	-0.22	-0.18	0.24	-0.09
Rank in SC	37	33	18	41	62	11	45
Change in Share	0.20	0.16	0.03	-0.01	-0.10	0.14	-0.02
Difference from SC	-0.13	-0.04	0.00	-0.14	-0.01	0.08	-0.02
Rank in SC	45	38	34	52	41	6	47

Pittsfield, MA (2019 Employment: 67,997; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.24	1.76	0.10	1.39	0.42	0.44	0.13
Difference from SC	0.63	0.27	0.04	0.34	0.00	0.09	-0.10
Rank in SC	27	27	16	19	43	30	95
Change in Share	0.58	0.17	0.05	0.27	-0.05	0.14	0.00
Difference from SC	0.18	-0.05	0.02	0.10	0.02	0.09	0.00
Rank in SC	32	60	20	25	50	13	67

Springfield, MA (2019 Employment: 344,359; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.00	2.03	0.14	0.91	0.31	0.46	0.16
Difference from SC	-0.63	-0.25	0.05	-0.30	-0.13	0.06	-0.05
Rank in SC	21	19	7	23	30	8	29
Change in Share	0.56	0.35	0.05	0.09	-0.07	0.11	0.01
Difference from SC	0.08	-0.05	0.02	0.01	0.05	0.05	0.00
Rank in SC	16	19	7	20	12	5	20

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MASSACHUSETTS (continued)

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Boston-Cambridge-Newton, MA-NH (2019 Employment: 3,015,048 of which 2,790,437 is in MA; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.97	4.98	0.23	1.72	0.50	1.22	0.33
Difference from SC	2.54	1.10	0.07	0.41	0.07	0.77	0.12
Change in Share	1.64	1.15	0.11	0.05	-0.23	0.50	0.06
Difference from SC	0.76	0.28	0.04	0.02	-0.07	0.44	0.06

Worcester, MA-CT (2019 Employment: 439,801 of which 396,110 is in MA; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.55	2.75	0.14	1.33	0.44	0.68	0.21
Difference from SC	0.15	-0.15	0.01	0.03	-0.04	0.29	0.00
Change in Share	0.54	0.30	0.04	0.09	-0.10	0.20	0.01
Difference from SC	-0.09	-0.23	-0.01	-0.06	0.02	0.16	0.02

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Providence-Warwick, RI-MA (2019 Employment: 782,702 of which 250,695 is in MA; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.84	1.78	0.07	1.10	0.37	0.39	0.12
Difference from SC	-1.56	-1.11	-0.05	-0.20	-0.12	0.00	-0.08
Change in Share	0.43	0.26	0.03	0.11	-0.08	0.11	0.01
Difference from SC	-0.20	-0.27	-0.03	-0.04	0.04	0.07	0.02

NONMETROPOLITAN AREA (2019 Employment: 20,716)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.75	0.90	0.04	0.40	0.20	0.17	0.05
Difference from Nation	-1.04	-0.11	-0.01	-0.44	-0.17	-0.15	-0.16
Rank Among 47 States	47	34	26	47	46	43	47
Change in Share	0.22	0.16	0.01	0.06	-0.08	0.06	0.01
Difference from Nation	0.05	0.06	0.00	-0.04	0.00	0.02	0.02
Rank Among 47 States	22	19	30	30	31	18	16

COUNTY NOT REPORTED (2019 Employment: 52,385)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	15.38	11.32	0.42	1.89	0.55	0.94	0.26
Difference from Nation	3.03	2.12	0.12	0.33	0.04	0.42	0.01
Rank Among 50 States	5	7	7	11	16	5	21
Change in Share	5.96	4.74	0.23	0.50	-0.07	0.46	0.10
Difference from Nation	0.41	0.03	0.01	0.13	0.01	0.23	0.00
Rank Among 50 States	11	14	9	13	24	7	24

MICHIGAN

2019 Employment: 4,768,258

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.41	2.64	0.09	2.63	0.50	0.35	0.21
Difference from Nation	0.90	-0.47	-0.03	1.41	0.06	-0.07	0.00
Rank Among 51 States	9	27	31	1	16	31	25
Change in Share	1.18	0.56	0.04	0.60	-0.08	0.04	0.01
Difference from Nation	0.35	-0.19	-0.01	0.51	0.04	-0.01	0.01
Rank Among 51 States	7	26	30	1	10	26	13

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Ann Arbor, MI (2019 Employment: 247,607; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.75	4.05	0.16	2.25	0.44	1.05	0.81
Difference from SC	4.12	1.77	0.08	1.03	0.00	0.65	0.61
Rank in SC	5	6	5	4	21	3	1
Change in Share	1.06	0.91	0.05	0.15	-0.24	0.11	0.09
Difference from SC	0.59	0.50	0.02	0.06	-0.12	0.05	0.08
Rank in SC	6	5	8	18	42	6	3

Battle Creek, MI (2019 Employment: 58,560; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.29	1.70	0.13	1.53	0.31	0.44	0.18
Difference from SC	0.68	0.20	0.07	0.47	-0.11	0.09	-0.05
Rank in SC	26	29	8	17	81	29	64
Change in Share	1.09	0.65	0.08	0.46	-0.02	0.00	-0.08
Difference from SC	0.68	0.43	0.05	0.28	0.05	-0.05	-0.08
Rank in SC	10	13	6	11	33	85	108

Bay City, MI (2019 Employment: 37,524; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.94	0.86	0.17	1.35	0.12	0.30	0.13
Difference from SC	-0.67	-0.63	0.11	0.30	-0.30	-0.04	-0.10
Rank in SC	69	112	3	21	122	57	93
Change in Share	-0.45	-0.67	0.06	0.19	-0.13	0.09	0.01
Difference from SC	-0.86	-0.90	0.03	0.01	-0.06	0.04	0.01
Rank in SC	117	123	11	40	99	29	54

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MICHIGAN (continued)

Detroit-Warren-Dearborn, MI (2019 Employment: 2,103,203; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.45	3.43	0.12	3.90	0.60	0.25	0.16
Difference from SC	2.01	-0.46	-0.04	2.58	0.17	-0.20	-0.04
Rank in SC	7	18	27	1	6	29	24
Change in Share	1.48	0.63	0.06	0.89	-0.08	0.00	-0.01
Difference from SC	0.60	-0.24	-0.01	0.86	0.07	-0.06	-0.01
Rank in SC	6	24	25	1	4	32	27

Flint, MI (2019 Employment: 149,770; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.29	1.56	0.09	1.16	0.26	0.16	0.06
Difference from SC	-0.82	-0.33	0.02	0.05	-0.19	-0.22	-0.15
Rank in SC	41	37	18	24	57	55	62
Change in Share	0.32	0.26	0.05	0.09	-0.18	0.08	0.02
Difference from SC	-0.04	-0.02	0.02	-0.03	-0.07	0.03	0.02
Rank in SC	30	23	7	31	49	14	14

Grand Rapids-Kentwood, MI (2019 Employment: 624,267; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.60	1.77	0.05	1.95	0.54	0.18	0.12
Difference from SC	-0.80	-1.13	-0.07	0.65	0.05	-0.21	-0.09
Rank in SC	31	39	41	3	14	43	39
Change in Share	0.71	0.33	0.02	0.41	-0.07	0.01	0.01
Difference from SC	0.08	-0.20	-0.03	0.27	0.05	-0.02	0.02
Rank in SC	14	27	35	5	12	30	8

Jackson, MI (2019 Employment: 61,920; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.82	1.41	0.02	4.03	0.99	0.24	0.12
Difference from SC	3.21	-0.08	-0.04	2.97	0.58	-0.10	-0.11
Rank in SC	7	42	92	3	4	75	100
Change in Share	2.30	0.45	0.01	1.67	0.03	0.09	0.04
Difference from SC	1.89	0.23	-0.02	1.50	0.09	0.05	0.04
Rank in SC	4	20	84	3	12	28	28

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MICHIGAN (continued)

Kalamazoo-Portage, MI (2019 Employment: 131,163; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.36	1.52	0.06	1.27	0.37	0.82	0.32
Difference from SC	0.26	-0.37	-0.01	0.17	-0.08	0.44	0.11
Rank in SC	26	38	32	18	38	7	8
Change in Share	0.41	0.20	0.03	0.33	-0.06	0.02	-0.10
Difference from SC	0.05	-0.08	0.00	0.21	0.06	-0.03	-0.10
Rank in SC	27	32	20	10	17	40	61

Lansing-East Lansing, MI (2019 Employment: 251,940; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.09	3.42	0.13	1.23	0.29	0.77	0.25
Difference from SC	1.46	1.14	0.04	0.02	-0.15	0.37	0.04
Rank in SC	8	8	9	15	35	5	12
Change in Share	1.42	1.09	0.07	0.23	-0.12	0.14	0.00
Difference from SC	0.95	0.68	0.04	0.15	0.00	0.08	0.00
Rank in SC	4	2	5	8	27	3	26

Midland, MI (2019 Employment: 41,564; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.31	2.55	0.06	2.37	0.33	1.17	0.83
Difference from SC	3.70	1.05	0.00	1.32	-0.09	0.82	0.60
Rank in SC	4	13	42	6	73	4	3
Change in Share	0.59	0.14	0.03	0.35	-0.12	0.10	0.09
Difference from SC	0.19	-0.08	0.00	0.17	-0.05	0.06	0.09
Rank in SC	31	71	36	15	96	22	9

Monroe, MI (2019 Employment: 44,311; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.75	1.00	0.04	2.40	0.58	0.38	0.34
Difference from SC	1.13	-0.50	-0.02	1.34	0.17	0.04	0.11
Rank in SC	17	91	66	5	15	39	17
Change in Share	1.28	0.29	0.03	0.50	0.01	0.30	0.15
Difference from SC	0.87	0.07	0.00	0.32	0.08	0.26	0.15
Rank in SC	8	40	41	8	20	1	4

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MICHIGAN (continued)

Muskegon, MI (2019 Employment: 66,867; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.20	0.81	0.02	1.56	0.47	0.22	0.12
Difference from SC	-0.41	-0.69	-0.04	0.50	0.06	-0.12	-0.11
Rank in SC	54	116	103	16	31	78	99
Change in Share	0.91	0.12	0.01	0.64	0.10	0.04	0.01
Difference from SC	0.51	-0.10	-0.02	0.46	0.17	0.00	0.01
Rank in SC	18	77	80	7	4	59	57

Niles, MI (2019 Employment: 68,372; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.84	1.22	0.01	1.77	0.62	0.11	0.10
Difference from SC	0.23	-0.28	-0.05	0.72	0.20	-0.24	-0.13
Rank in SC	33	60	107	12	11	112	105
Change in Share	0.82	0.18	0.01	0.64	-0.05	0.01	0.03
Difference from SC	0.41	-0.04	-0.02	0.46	0.02	-0.04	0.03
Rank in SC	21	58	85	6	51	74	31

Saginaw, MI (2019 Employment: 89,903; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.26	1.46	0.03	1.19	0.32	0.18	0.07
Difference from SC	-0.66	-0.32	-0.04	0.20	-0.11	-0.20	-0.17
Rank in SC	40	42	58	19	49	59	71
Change in Share	0.51	0.28	0.02	0.23	-0.07	0.06	0.00
Difference from SC	0.18	0.08	-0.02	0.10	0.01	0.01	0.00
Rank in SC	22	27	58	19	30	25	37

METROPOLITAN AREAS PARTIALLY WITHIN STATE

South Bend-Mishawaka, IN-MI (2019 Employment: 152,349 of which 10,999 is in MI; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	0.87	0.44	0.00	0.33	0.08	0.01	0.01
Difference from SC	-3.24	-1.45	-0.07	-0.78	-0.37	-0.37	-0.20
Change in Share	0.08	0.19	0.00	-0.02	-0.08	-0.01	-0.01
Difference from SC	-0.29	-0.09	-0.03	-0.13	0.03	-0.06	-0.01

(continued)

MICHIGAN (continued)

NONMETROPOLITAN AREA (2019 Employment: 661,288)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.97	0.91	0.03	1.11	0.37	0.36	0.19
Difference from Nation	0.18	-0.10	-0.01	0.27	0.00	0.04	-0.02
Rank Among 47 States	15	33	36	9	23	19	20
Change in Share	0.54	0.13	0.02	0.30	-0.03	0.09	0.03
Difference from Nation	0.37	0.03	0.00	0.21	0.04	0.05	0.04
Rank Among 47 States	6	21	21	3	10	7	6

COUNTY NOT REPORTED (2019 Employment: 118,999)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.52	6.22	0.19	2.24	0.33	0.37	0.17
Difference from Nation	-2.83	-2.98	-0.12	0.68	-0.18	-0.15	-0.08
Rank Among 50 States	32	34	30	4	43	36	40
Change in Share	3.91	2.72	0.13	0.89	-0.07	0.16	0.08
Difference from Nation	-1.64	-1.99	-0.09	0.52	0.01	-0.06	-0.02
Rank Among 50 States	31	33	30	5	25	30	30

MINNESOTA

2019 Employment: 3,206,850

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.00	3.40	0.15	1.27	0.54	0.46	0.18
Difference from Nation	0.49	0.29	0.02	0.05	0.10	0.05	-0.03
Rank Among 51 States	11	12	11	19	9	17	37
Change in Share	0.93	0.63	0.07	0.18	-0.10	0.13	0.01
Difference from Nation	0.09	-0.11	0.02	0.09	0.02	0.08	0.01
Rank Among 51 States	15	19	10	13	23	3	16

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Mankato, MN (2019 Employment: 61,365; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.71	1.66	0.03	1.06	0.61	0.10	0.25
Difference from SC	0.09	0.16	-0.03	0.00	0.19	-0.25	0.02
Rank in SC	36	31	76	39	12	113	39
Change in Share	0.12	-0.11	0.01	0.26	0.01	-0.06	0.01
Difference from SC	-0.29	-0.33	-0.02	0.08	0.08	-0.10	0.00
Rank in SC	81	114	103	26	17	114	60

Rochester, MN (2019 Employment: 129,291; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.09	1.83	0.06	0.57	0.27	0.23	0.14
Difference from SC	-1.01	-0.06	-0.02	-0.54	-0.17	-0.16	-0.07
Rank in SC	46	27	36	52	55	45	41
Change in Share	-1.22	-0.63	0.00	-0.37	-0.22	0.04	-0.04
Difference from SC	-1.58	-0.91	-0.03	-0.49	-0.10	-0.01	-0.04
Rank in SC	61	62	61	61	54	30	51

St. Cloud, MN (2019 Employment: 115,379; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.80	1.46	0.06	0.57	0.34	0.22	0.16
Difference from SC	-1.12	-0.33	-0.02	-0.43	-0.10	-0.17	-0.09
Rank in SC	51	43	39	58	45	48	44
Change in Share	0.50	0.30	0.04	0.10	-0.03	0.08	0.01
Difference from SC	0.17	0.09	0.01	-0.02	0.06	0.03	0.01
Rank in SC	23	24	17	32	19	19	30

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MINNESOTA (continued)

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Duluth, MN-WI (2019 Employment: 145,395 of which 127,621 is in MN; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.89	1.48	0.06	1.07	0.54	0.46	0.29
Difference from SC	-0.21	-0.41	-0.02	-0.03	0.09	0.07	0.08
Change in Share	0.68	0.17	0.03	0.33	-0.01	0.18	-0.01
Difference from SC	0.32	-0.11	0.00	0.21	0.10	0.13	-0.01

Minneapolis-St. Paul-Bloomington, MN-WI (2019 Employment: 2,124,738 of which 2,073,811 is in MN; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.31	4.31	0.20	1.50	0.58	0.54	0.17
Difference from SC	0.87	0.43	0.04	0.19	0.15	0.10	-0.03
Change in Share	1.11	0.76	0.10	0.22	-0.12	0.15	0.00
Difference from SC	0.24	-0.11	0.03	0.19	0.04	0.09	0.01

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Fargo, ND-MN (2019 Employment: 154,580 of which 24,029 is in MN; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.97	1.51	0.01	0.74	0.26	0.14	0.30
Difference from SC	-1.14	-0.38	-0.06	-0.36	-0.18	-0.24	0.09
Change in Share	0.78	0.35	0.01	0.34	-0.04	0.07	0.05
Difference from SC	0.42	0.07	-0.02	0.23	0.08	0.02	0.05

Grand Forks, ND-MN (2019 Employment: 61,421 of which 14,923 is in MN; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.89	0.63	0.00	0.73	0.01	0.05	0.47
Difference from SC	-1.72	-0.87	-0.06	-0.32	-0.41	-0.30	0.24
Change in Share	-0.38	0.03	0.00	-0.05	-0.17	-0.15	-0.04
Difference from SC	-0.79	-0.19	-0.03	-0.22	-0.10	-0.20	-0.04

La Crosse-Onalaska, WI-MN (2019 Employment: 81,900 of which 6,192 is in MN; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.12	1.84	0.00	0.56	1.34	0.03	0.33
Difference from SC	0.20	0.06	-0.07	-0.43	0.91	-0.35	0.09
Change in Share	-0.55	-0.59	0.00	-0.20	0.03	0.01	0.21
Difference from SC	-0.88	-0.80	-0.03	-0.32	0.11	-0.04	0.20

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MINNESOTA (continued)

NONMETROPOLITAN AREA (2019 Employment: 593,687)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.83	0.97	0.03	0.85	0.49	0.30	0.20
Difference from Nation	0.04	-0.05	-0.01	0.01	0.12	-0.02	-0.02
Rank Among 47 States	22	26	33	20	4	25	19
Change in Share	0.15	0.02	0.01	0.09	-0.09	0.09	0.02
Difference from Nation	-0.02	-0.08	0.00	-0.01	-0.01	0.05	0.03
Rank Among 47 States	28	43	28	25	34	8	9

COUNTY NOT REPORTED (2019 Employment: 60,551)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	13.69	10.58	0.31	1.35	0.49	0.74	0.21
Difference from Nation	1.35	1.39	0.01	-0.20	-0.02	0.21	-0.04
Rank Among 50 States	13	9	13	27	25	11	31
Change in Share	4.92	3.98	0.22	0.23	-0.07	0.46	0.11
Difference from Nation	-0.63	-0.73	0.00	-0.14	0.01	0.23	0.01
Rank Among 50 States	24	25	11	34	26	8	23

MISSISSIPPI

2019 Employment: 1,283,442

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.99	1.22	0.04	0.88	0.38	0.32	0.15
Difference from Nation	-2.52	-1.89	-0.09	-0.34	-0.05	-0.09	-0.06
Rank Among 51 States	51	50	48	44	38	34	47
Change in Share	0.14	0.17	0.01	0.09	-0.14	0.02	-0.01
Difference from Nation	-0.69	-0.57	-0.04	-0.01	-0.01	-0.04	-0.01
Rank Among 51 States	46	46	48	27	34	33	34

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Gulfport-Biloxi, MS (2019 Employment: 175,203; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.61	1.58	0.05	1.58	0.72	0.48	0.19
Difference from SC	0.50	-0.30	-0.02	0.48	0.27	0.10	-0.02
Rank in SC	19	35	41	10	7	14	28
Change in Share	0.00	0.23	0.02	0.16	-0.33	-0.02	-0.06
Difference from SC	-0.36	-0.05	-0.01	0.04	-0.22	-0.07	-0.06
Rank in SC	49	26	46	22	61	53	58

Hattiesburg, MS (2019 Employment: 76,171; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.12	0.92	0.03	0.55	0.28	0.20	0.13
Difference from SC	-1.80	-0.86	-0.05	-0.45	-0.15	-0.19	-0.11
Rank in SC	67	63	62	60	56	53	55
Change in Share	-0.13	-0.03	0.02	0.10	-0.14	-0.03	-0.04
Difference from SC	-0.46	-0.23	-0.02	-0.03	-0.06	-0.08	-0.04
Rank in SC	62	58	55	35	58	66	60

Jackson, MS (2019 Employment: 295,013; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.40	1.76	0.06	0.70	0.33	0.43	0.12
Difference from SC	-1.23	-0.52	-0.03	-0.51	-0.12	0.03	-0.09
Rank in SC	32	27	28	35	28	12	35
Change in Share	0.03	0.11	0.01	0.00	-0.13	0.05	-0.01
Difference from SC	-0.44	-0.30	-0.02	-0.08	-0.01	-0.01	-0.02
Rank in SC	38	36	45	35	28	20	34

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MISSISSIPPI (continued)

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Memphis, TN-MS-AR (2019 Employment: 701,663 of which 96,176 is in MS; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.70	0.66	0.01	0.58	0.17	0.22	0.06
Difference from SC	-3.70	-2.23	-0.11	-0.72	-0.32	-0.17	-0.15
Change in Share	0.32	0.10	0.01	0.16	-0.05	0.09	0.02
Difference from SC	-0.31	-0.43	-0.05	0.02	0.07	0.05	0.03

NONMETROPOLITAN AREA (2019 Employment: 607,111)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.43	0.81	0.03	0.83	0.35	0.24	0.17
Difference from Nation	-0.36	-0.21	-0.01	-0.01	-0.01	-0.07	-0.04
Rank Among 47 States	35	42	37	22	25	32	27
Change in Share	-2.94	-1.15	-0.02	-0.67	-0.64	-0.32	-0.15
Difference from Nation	-3.10	-1.25	-0.04	-0.76	-0.56	-0.36	-0.14
Rank Among 47 States	47	47	47	47	47	47	44

COUNTY NOT REPORTED (2019 Employment: 33,767)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.89	4.44	0.09	1.22	0.54	0.43	0.17
Difference from Nation	-5.46	-4.75	-0.21	-0.34	0.03	-0.10	-0.09
Rank Among 50 States	44	45	39	33	19	28	42
Change in Share	3.28	2.74	0.06	0.33	0.05	0.08	0.02
Difference from Nation	-2.27	-1.97	-0.16	-0.04	0.13	-0.15	-0.09
Rank Among 50 States	34	32	37	23	12	39	43

MISSOURI

2019 Employment: 3,151,037

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.98	3.08	0.11	0.96	0.33	0.30	0.20
Difference from Nation	-0.53	-0.03	-0.02	-0.26	-0.11	-0.11	-0.01
Rank Among 51 States	28	19	26	40	46	38	28
Change in Share	0.95	0.84	0.05	0.12	-0.08	0.03	-0.01
Difference from Nation	0.12	0.10	-0.01	0.03	0.04	-0.03	-0.01
Rank Among 51 States	14	12	25	23	12	30	30

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Columbia, MO (2019 Employment: 113,741; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.15	2.40	0.10	0.65	0.34	0.46	0.20
Difference from SC	0.23	0.61	0.02	-0.34	-0.10	0.08	-0.05
Rank in SC	24	11	15	50	44	21	32
Change in Share	0.68	0.73	0.03	0.01	-0.10	0.02	-0.01
Difference from SC	0.35	0.53	0.00	-0.11	-0.01	-0.03	-0.02
Rank in SC	16	3	30	49	40	44	43

Jefferson City, MO (2019 Employment: 84,201; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.40	3.52	0.23	1.14	0.42	0.78	0.31
Difference from SC	2.48	1.73	0.15	0.14	-0.02	0.40	0.06
Rank in SC	8	4	2	22	32	4	13
Change in Share	0.96	0.86	0.10	0.14	-0.12	0.05	-0.07
Difference from SC	0.63	0.66	0.07	0.01	-0.03	0.00	-0.08
Rank in SC	5	2	3	26	50	27	65

Joplin, MO (2019 Employment: 86,878; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.24	1.15	0.04	0.59	0.22	0.15	0.10
Difference from SC	-1.68	-0.64	-0.04	-0.40	-0.22	-0.24	-0.15
Rank in SC	65	53	53	56	66	66	65
Change in Share	0.34	0.24	0.03	0.04	-0.03	0.05	0.01
Difference from SC	0.01	0.04	-0.01	-0.08	0.06	0.00	0.00
Rank in SC	34	28	39	43	17	28	32

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MISSOURI (continued)

Springfield, MO (2019 Employment: 231,106; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.45	2.24	0.05	0.60	0.29	0.16	0.10
Difference from SC	-1.18	-0.04	-0.04	-0.61	-0.15	-0.24	-0.11
Rank in SC	29	15	38	37	34	42	40
Change in Share	0.90	0.78	0.02	0.11	-0.05	0.03	0.01
Difference from SC	0.42	0.37	-0.01	0.02	0.07	-0.03	0.00
Rank in SC	9	8	30	19	9	27	22

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Cape Girardeau, MO-IL (2019 Employment: 49,068 of which 47,847 is in MO; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.30	1.24	0.07	0.40	0.21	0.19	0.19
Difference from SC	-1.31	-0.26	0.01	-0.65	-0.21	-0.15	-0.05
Change in Share	0.24	0.18	0.04	-0.03	-0.02	0.03	0.04
Difference from SC	-0.17	-0.04	0.01	-0.21	0.05	-0.02	0.04

Kansas City, MO-KS (2019 Employment: 1,164,460 of which 637,715 is in MO; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.96	3.94	0.14	1.12	0.40	0.23	0.12
Difference from SC	-0.48	0.06	-0.02	-0.19	-0.03	-0.22	-0.08
Change in Share	1.45	1.18	0.07	0.27	-0.06	0.00	-0.01
Difference from SC	0.57	0.31	0.00	0.23	0.10	-0.05	-0.01

St. Joseph, MO-KS (2019 Employment: 59,951 of which 56,920 is in MO; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.91	1.30	0.11	0.76	0.25	0.30	0.20
Difference from SC	-0.70	-0.20	0.05	-0.30	-0.17	-0.04	-0.03
Change in Share	0.32	0.03	0.05	0.23	-0.02	0.00	0.03
Difference from SC	-0.08	-0.19	0.01	0.05	0.05	-0.04	0.02

St. Louis, MO-IL (2019 Employment: 1,484,028 of which 1,218,134 is in MO; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.10	3.75	0.12	1.23	0.36	0.36	0.28
Difference from SC	-0.33	-0.14	-0.04	-0.08	-0.07	-0.08	0.08
Change in Share	0.79	0.76	0.05	0.11	-0.11	0.02	-0.03
Difference from SC	-0.08	-0.11	-0.02	0.08	0.04	-0.04	-0.03

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MISSOURI (continued)

NONMETROPOLITAN AREA (2019 Employment: 593,727

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.03	0.97	0.04	0.49	0.20	0.19	0.14
Difference from Nation	-0.76	-0.05	0.00	-0.35	-0.16	-0.13	-0.07
Rank Among 47 States	45	25	20	45	45	40	38
Change in Share	0.17	0.23	0.02	-0.01	-0.08	0.01	-0.01
Difference from Nation	0.01	0.13	0.00	-0.11	0.00	-0.02	0.00
Rank Among 47 States	26	11	15	42	30	34	27

COUNTY NOT REPORTED (2019 Employment: 80,768)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	11.90	9.02	0.26	1.26	0.42	0.55	0.39
Difference from Nation	-0.45	-0.18	-0.05	-0.30	-0.09	0.02	0.14
Rank Among 50 States	21	23	22	31	32	16	7
Change in Share	5.78	4.39	0.20	0.48	0.04	0.38	0.29
Difference from Nation	0.23	-0.32	-0.02	0.10	0.12	0.16	0.18
Rank Among 50 States	15	19	19	16	14	14	6

MONTANA

2019 Employment: 553,153

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.28	1.82	0.05	0.89	0.40	0.69	0.44
Difference from Nation	-1.23	-1.29	-0.07	-0.33	-0.04	0.27	0.23
Rank Among 51 States	38	44	46	42	34	9	1
Change in Share	0.47	0.35	0.02	0.16	-0.09	0.10	-0.08
Difference from Nation	-0.36	-0.39	-0.03	0.07	0.03	0.04	-0.08
Rank Among 51 States	38	42	44	18	17	8	49

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Billings, MT (2019 Employment: 99,230; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.90	1.28	0.05	1.32	0.51	0.46	0.28
Difference from SC	-0.02	-0.50	-0.02	0.33	0.07	0.07	0.04
Rank in SC	29	49	44	12	18	22	17
Change in Share	0.00	-0.38	0.02	0.33	-0.11	0.10	0.04
Difference from SC	-0.33	-0.59	-0.02	0.20	-0.02	0.05	0.03
Rank in SC	57	71	53	12	43	11	15

Great Falls, MT (2019 Employment: 42,837; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.51	1.96	0.05	0.60	0.46	0.25	0.20
Difference from SC	-0.10	0.46	-0.01	-0.45	0.04	-0.10	-0.03
Rank in SC	44	22	54	93	33	74	55
Change in Share	0.54	0.50	0.02	0.06	-0.02	0.01	-0.03
Difference from SC	0.13	0.28	-0.01	-0.12	0.04	-0.04	-0.03
Rank in SC	39	14	54	75	35	75	90

Missoula, MT (2019 Employment: 70,225; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.59	1.96	0.05	0.74	0.42	0.76	0.66
Difference from SC	0.98	0.46	-0.01	-0.32	0.00	0.41	0.42
Rank in SC	21	21	52	74	45	9	7
Change in Share	0.61	0.49	0.03	0.12	-0.09	0.13	-0.08
Difference from SC	0.20	0.27	0.00	-0.06	-0.02	0.09	-0.08
Rank in SC	30	15	38	56	78	17	110

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MONTANA (continued)

NONMETROPOLITAN AREA (2019 Employment: 331,604)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.29	1.82	0.06	0.82	0.35	0.78	0.46
Difference from Nation	1.50	0.80	0.01	-0.02	-0.01	0.47	0.25
Rank Among 47 States	4	2	7	25	26	3	7
Change in Share	0.41	0.43	0.02	0.12	-0.10	0.08	-0.14
Difference from Nation	0.24	0.33	0.01	0.02	-0.02	0.04	-0.13
Rank Among 47 States	12	3	9	21	40	9	43

COUNTY NOT REPORTED (2019 Employment: 9,257)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.38	5.78	0.02	1.47	0.48	1.04	0.59
Difference from Nation	-2.97	-3.41	-0.28	-0.09	-0.03	0.51	0.33
Rank Among 50 States	33	35	44	25	27	4	3
Change in Share	5.79	3.72	0.02	0.77	0.09	0.78	0.41
Difference from Nation	0.24	-0.98	-0.20	0.39	0.17	0.55	0.31
Rank Among 50 States	13	26	42	8	9	3	2

NEBRASKA

2019 Employment: 1,121,300

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.75	3.01	0.14	0.69	0.35	0.36	0.20
Difference from Nation	-0.76	-0.10	0.02	-0.53	-0.08	-0.05	-0.01
Rank Among 51 States	31	21	13	49	44	27	30
Change in Share	0.72	0.61	0.06	0.06	-0.06	0.06	0.00
Difference from Nation	-0.11	-0.14	0.01	-0.04	0.06	0.00	0.00
Rank Among 51 States	26	22	16	34	5	23	25

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Grand Island, NE (2019 Employment: 42,643; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.03	0.90	0.08	0.44	0.29	0.16	0.16
Difference from SC	-1.58	-0.60	0.02	-0.61	-0.13	-0.19	-0.07
Rank in SC	110	108	24	110	86	98	71
Change in Share	0.02	0.03	0.03	0.03	-0.04	-0.04	0.01
Difference from SC	-0.38	-0.19	0.00	-0.14	0.03	-0.09	0.00
Rank in SC	90	99	37	81	40	108	62

Lincoln, NE (2019 Employment: 200,701; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.70	3.23	0.16	0.95	0.47	0.58	0.31
Difference from SC	1.06	0.95	0.08	-0.27	0.02	0.18	0.10
Rank in SC	10	9	3	22	18	6	5
Change in Share	0.88	0.82	0.05	0.08	-0.04	0.03	-0.06
Difference from SC	0.41	0.41	0.02	-0.01	0.08	-0.03	-0.07
Rank in SC	10	6	9	21	7	29	42

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NEBRASKA (continued)

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Omaha-Council Bluffs, NE-IA (2019 Employment: 543,362 of which 488,798 is in NE; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.29	4.44	0.23	0.74	0.38	0.34	0.16
Difference from SC	0.89	1.55	0.11	-0.56	-0.11	-0.05	-0.04
Change in Share	0.07	0.04	0.02	0.03	0.01	-0.01	-0.02
Difference from SC	-0.56	-0.49	-0.03	-0.11	0.13	-0.04	-0.01

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Sioux City, IA-NE-SD (2019 Employment: 83,145 of which 15,390 is in NE; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.42	1.17	0.00	0.31	0.35	0.01	0.58
Difference from SC	-1.50	-0.62	-0.07	-0.66	-0.09	-0.37	0.33
Change in Share	0.15	0.04	0.00	0.03	-0.07	-0.02	0.16
Difference from SC	-0.18	-0.06	-0.03	-0.09	0.02	-0.07	0.16

NONMETROPOLITAN AREA (2019 Employment: 351,134)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.05	0.80	0.02	0.49	0.25	0.31	0.17
Difference from Nation	-0.74	-0.21	-0.02	-0.35	-0.11	-0.01	-0.04
Rank Among 47 States	44	44	42	44	39	24	28
Change in Share	-0.04	0.03	0.00	-0.01	-0.07	0.07	-0.05
Difference from Nation	-0.20	-0.07	-0.01	-0.11	0.00	0.03	-0.04
Rank Among 47 States	43	41	43	44	28	13	38

COUNTY NOT REPORTED (2019 Employment: 22,634)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	11.78	9.51	0.23	0.95	0.43	0.42	0.24
Difference from Nation	-0.56	0.32	-0.07	-0.61	-0.08	-0.10	-0.02
Rank Among 50 States	22	19	26	44	30	29	25
Change in Share	5.71	5.29	0.18	-0.03	-0.11	0.23	0.17
Difference from Nation	0.16	0.58	-0.04	-0.41	-0.03	0.00	0.07
Rank Among 50 States	18	10	25	41	30	21	10

NEVADA

2019 Employment: 1,536,264

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.25	1.71	0.04	0.65	0.36	0.24	0.24
Difference from Nation	-2.26	-1.40	-0.09	-0.57	-0.07	-0.17	0.03
Rank Among 51 States	50	46	49	51	42	49	18
Change in Share	0.41	0.48	0.01	0.01	-0.12	0.01	0.01
Difference from Nation	-0.42	-0.26	-0.04	-0.08	0.00	-0.05	0.02
Rank Among 51 States	41	35	49	41	30	39	11

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Carson City, NV (2019 Employment: 32,998; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.67	2.95	0.14	1.34	1.08	0.62	0.54
Difference from SC	3.06	1.45	0.08	0.29	0.66	0.28	0.31
Rank in SC	9	7	6	22	3	13	8
Change in Share	0.50	0.76	0.06	-0.10	-0.27	0.10	-0.05
Difference from SC	0.10	0.54	0.03	-0.27	-0.20	0.05	-0.06
Rank in SC	43	8	8	112	121	25	102

Las Vegas-Henderson-Paradise, NV (2019 Employment: 1,120,583; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.86	1.73	0.03	0.54	0.30	0.15	0.11
Difference from SC	-3.57	-2.16	-0.12	-0.77	-0.13	-0.29	-0.10
Rank in SC	35	35	35	36	34	36	35
Change in Share	0.42	0.54	0.01	-0.02	-0.12	0.00	0.01
Difference from SC	-0.45	-0.33	-0.06	-0.05	0.03	-0.06	0.01
Rank in SC	27	27	35	24	11	29	15

Reno, NV (2019 Employment: 263,610; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.08	1.81	0.05	0.87	0.44	0.43	0.47
Difference from SC	-0.56	-0.47	-0.03	-0.35	0.00	0.03	0.26
Rank in SC	20	24	34	25	20	11	3
Change in Share	0.73	0.39	0.02	0.20	-0.03	0.04	0.11
Difference from SC	0.26	-0.01	-0.01	0.12	0.09	-0.02	0.10
Rank in SC	14	16	28	10	6	23	2

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NEVADA (continued)

NONMETROPOLITAN AREA (2019 Employment: 111,594)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.84	0.72	0.03	1.09	0.56	0.52	0.93
Difference from Nation	1.05	-0.30	-0.01	0.25	0.20	0.20	0.72
Rank Among 47 States	6	46	39	10	3	10	1
Change in Share	-0.07	-0.02	-0.01	0.02	-0.19	0.08	0.04
Difference from Nation	-0.24	-0.12	-0.02	-0.08	-0.11	0.04	0.05
Rank Among 47 States	45	44	46	37	45	10	3

COUNTY NOT REPORTED (2019 Employment: 7,479)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.64	5.49	0.01	0.87	0.59	0.24	0.44
Difference from Nation	-4.71	-3.71	-0.29	-0.69	0.08	-0.29	0.18
Rank Among 50 States	40	38	45	45	14	45	6
Change in Share	2.46	1.54	0.01	0.28	0.22	0.11	0.30
Difference from Nation	-3.09	-3.17	-0.21	-0.09	0.30	-0.12	0.20
Rank Among 50 States	40	44	43	31	6	34	5

NEW HAMPSHIRE

2019 Employment: 744,188

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.39	3.62	0.12	1.54	0.59	0.33	0.18
Difference from Nation	0.88	0.51	-0.01	0.32	0.16	-0.08	-0.03
Rank Among 51 States	10	9	21	8	2	32	40
Change in Share	1.23	0.97	0.06	0.22	-0.10	0.06	0.02
Difference from Nation	0.40	0.22	0.00	0.13	0.02	0.01	0.02
Rank Among 51 States	3	11	18	6	21	17	10

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Manchester-Nashua, NH (2019 Employment: 225,048; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.74	4.25	0.13	2.10	0.77	0.31	0.17
Difference from SC	3.11	1.97	0.05	0.89	0.33	-0.09	-0.04
Rank in SC	6	5	8	5	4	24	24
Change in Share	0.84	0.66	0.06	0.23	-0.21	0.07	0.03
Difference from SC	0.37	0.25	0.03	0.14	-0.09	0.01	0.03
Rank in SC	12	11	6	9	40	9	8

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Boston-Cambridge-Newton, MA-NH (2019 Employment: 3,015,048 of which 224,611 is in NH; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.30	3.72	0.11	1.43	0.57	0.30	0.17
Difference from SC	-0.14	-0.16	-0.05	0.12	0.14	-0.15	-0.03
Change in Share	1.36	1.10	0.05	0.23	-0.06	0.04	0.00
Difference from SC	0.48	0.23	-0.02	0.19	0.09	-0.01	0.00

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NEW HAMPSHIRE (continued)

NONMETROPOLITAN AREA (2019 Employment: 271,353)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.49	2.26	0.10	1.13	0.45	0.37	0.18
Difference from Nation	1.70	1.24	0.06	0.29	0.09	0.05	-0.03
Rank Among 47 States	3	1	2	8	8	18	24
Change in Share	0.75	0.48	0.05	0.19	-0.04	0.06	0.01
Difference from Nation	0.59	0.38	0.03	0.09	0.04	0.02	0.02
Rank Among 47 States	2	1	3	12	13	15	17

COUNTY NOT REPORTED (2019 Employment: 23,177)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	16.34	12.60	0.31	1.95	0.71	0.50	0.27
Difference from Nation	3.99	3.40	0.01	0.39	0.20	-0.02	0.02
Rank Among 50 States	3	3	11	9	4	18	19
Change in Share	6.92	6.28	0.20	0.26	-0.22	0.23	0.15
Difference from Nation	1.37	1.57	-0.02	-0.11	-0.14	0.00	0.05
Rank Among 50 States	6	6	18	32	41	20	13

NEW JERSEY

2019 Employment: 4,457,053

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.89	3.58	0.15	0.97	0.28	0.72	0.21
Difference from Nation	0.38	0.47	0.02	-0.25	-0.16	0.30	0.00
Rank Among 51 States	14	10	12	39	50	7	24
Change in Share	0.48	0.55	0.06	-0.04	-0.13	0.06	-0.03
Difference from Nation	-0.35	-0.19	0.00	-0.13	0.00	0.00	-0.03
Rank Among 51 States	37	28	19	46	33	18	41

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Atlantic City-Hammonton, NJ (2019 Employment: 137,925; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.85	1.74	0.07	0.52	0.25	0.16	0.11
Difference from SC	-1.25	-0.14	0.00	-0.58	-0.20	-0.23	-0.10
Rank in SC	50	28	22	56	58	57	54
Change in Share	0.45	0.44	0.04	0.03	-0.10	0.03	0.01
Difference from SC	0.09	0.16	0.01	-0.09	0.02	-0.02	0.01
Rank in SC	25	14	14	42	28	35	21

Ocean City, NJ (2019 Employment: 46,668; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.42	0.72	0.07	0.15	0.24	0.09	0.15
Difference from SC	-2.19	-0.78	0.01	-0.91	-0.18	-0.26	-0.08
Rank in SC	124	122	31	123	100	118	74
Change in Share	-0.16	0.05	0.03	-0.06	-0.15	0.00	-0.03
Difference from SC	-0.56	-0.17	0.00	-0.23	-0.08	-0.04	-0.04
Rank in SC	106	94	35	105	103	82	95

Trenton-Princeton, NJ (2019 Employment: 278,551; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.97	4.38	0.25	1.40	0.55	1.85	0.54
Difference from SC	4.33	2.10	0.17	0.18	0.11	1.45	0.34
Rank in SC	4	4	1	12	9	2	2
Change in Share	1.51	0.81	0.11	0.19	-0.20	0.55	0.06
Difference from SC	1.04	0.40	0.07	0.10	-0.08	0.49	0.05
Rank in SC	2	7	1	12	39	1	6

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NEW JERSEY (continued)

Vineland-Bridgeton, NJ (2019 Employment: 63,704; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.72	0.84	0.03	0.39	0.16	0.15	0.14
Difference from SC	-1.89	-0.66	-0.03	-0.66	-0.26	-0.19	-0.09
Rank in SC	122	114	75	119	119	102	83
Change in Share	-0.27	-0.09	0.00	-0.09	-0.11	-0.01	0.03
Difference from SC	-0.68	-0.31	-0.03	-0.27	-0.04	-0.06	0.02
Rank in SC	112	113	109	111	88	93	37

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Allentown-Bethlehem-Easton, PA-NJ (2019 Employment: 398,030 of which 36,923 is in NJ; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.65	1.62	0.02	1.16	0.35	0.11	0.40
Difference from SC	-1.75	-1.28	-0.11	-0.14	-0.14	-0.28	0.19
Change in Share	0.58	0.39	0.01	0.15	-0.13	0.01	0.14
Difference from SC	-0.05	-0.14	-0.04	0.01	-0.01	-0.03	0.15

New York-Newark-Jersey City, NY-NJ-PA (2019 Employment: 10,201,145 of which 3,170,203 is in NJ; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.99	3.73	0.15	0.89	0.27	0.78	0.17
Difference from SC	-0.45	-0.16	-0.01	-0.42	-0.16	0.33	-0.03
Change in Share	0.29	0.44	0.05	-0.05	-0.12	0.01	-0.05
Difference from SC	-0.59	-0.43	-0.01	-0.08	0.04	-0.04	-0.05

Philadelphia-Camden-Wilmington, PA-NJ-DE-MD (2019 Employment: 3,123,144 of which 590,974 is in NJ; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.11	2.15	0.09	1.29	0.20	0.12	0.26
Difference from SC	-2.33	-1.74	-0.07	-0.03	-0.22	-0.33	0.06
Change in Share	-0.20	0.02	0.03	-0.12	-0.14	0.00	0.01
Difference from SC	-1.08	-0.86	-0.04	-0.15	0.01	-0.06	0.02

COUNTY NOT REPORTED (2019 Employment: 132,106)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	12.55	9.63	0.29	1.31	0.33	0.74	0.25
Difference from Nation	0.20	0.43	-0.01	-0.24	-0.18	0.22	-0.01
Rank Among 50 States	17	16	14	28	44	10	22
Change in Share	4.29	4.39	0.19	-0.18	-0.31	0.22	-0.03
Difference from Nation	-1.27	-0.31	-0.03	-0.55	-0.23	-0.01	-0.13
Rank Among 50 States	29	18	22	47	46	23	46

Note: New Jersey has no nonmetropolitan area.

NEW MEXICO

2019 Employment: 950,697

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.51	2.01	0.07	1.51	0.83	0.79	0.30
Difference from Nation	0.00	-1.10	-0.05	0.29	0.40	0.38	0.09
Rank Among 51 States	18	39	40	10	1	5	6
Change in Share	0.38	0.33	0.03	0.13	-0.19	0.12	-0.04
Difference from Nation	-0.45	-0.41	-0.03	0.04	-0.06	0.06	-0.04
Rank Among 51 States	42	44	41	22	47	4	43

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Albuquerque, NM (2019 Employment: 430,520; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.13	2.33	0.08	1.91	0.94	0.64	0.23
Difference from SC	0.73	-0.56	-0.04	0.61	0.45	0.26	0.02
Rank in SC	11	32	29	4	1	5	13
Change in Share	-0.33	0.21	0.02	-0.13	-0.36	-0.02	-0.05
Difference from SC	-0.96	-0.32	-0.03	-0.27	-0.24	-0.06	-0.04
Rank in SC	44	32	41	41	45	37	41

Farmington, NM (2019 Employment: 51,191; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.03	0.95	0.02	0.77	0.59	0.61	0.08
Difference from SC	-0.58	-0.54	-0.04	-0.28	0.17	0.27	-0.15
Rank in SC	65	96	102	71	14	14	116
Change in Share	-0.14	0.17	0.01	-0.06	-0.23	-0.01	-0.02
Difference from SC	-0.55	-0.05	-0.02	-0.23	-0.16	-0.05	-0.02
Rank in SC	104	62	101	106	117	90	83

Las Cruces, NM (2019 Employment: 85,312; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.37	2.31	0.13	1.22	0.88	0.63	0.20
Difference from SC	1.45	0.52	0.06	0.23	0.45	0.25	-0.05
Rank in SC	12	13	8	17	3	10	31
Change in Share	-0.01	0.47	0.06	-0.04	-0.25	-0.16	-0.10
Difference from SC	-0.34	0.27	0.03	-0.16	-0.16	-0.21	-0.10
Rank in SC	58	13	7	55	67	69	68

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NEW MEXICO (continued)

Santa Fe, NM (2019 Employment: 73,775; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.55	2.45	0.02	0.43	0.59	0.76	0.29
Difference from SC	0.94	0.95	-0.04	-0.62	0.18	0.41	0.06
Rank in SC	23	15	97	112	13	8	30
Change in Share	0.19	0.47	0.01	-0.09	-0.30	0.07	0.03
Difference from SC	-0.22	0.25	-0.02	-0.26	-0.23	0.02	0.03
Rank in SC	71	18	94	110	122	42	35

NONMETROPOLITAN AREA (2019 Employment: 288,199)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.08	1.27	0.06	1.42	0.73	1.11	0.48
Difference from Nation	2.29	0.25	0.01	0.58	0.37	0.80	0.27
Rank Among 47 States	2	9	6	2	1	1	5
Change in Share	1.46	0.28	0.03	0.64	0.10	0.45	-0.04
Difference from Nation	1.30	0.18	0.02	0.54	0.18	0.41	-0.03
Rank Among 47 States	1	6	6	1	1	1	37

COUNTY NOT REPORTED (2019 Employment: 21,701)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.43	5.08	0.09	1.50	1.16	0.45	0.15
Difference from Nation	-3.92	-4.12	-0.22	-0.05	0.65	-0.08	-0.10
Rank Among 50 States	36	42	40	22	1	25	45
Change in Share	2.94	2.16	0.08	0.42	0.34	-0.04	-0.02
Difference from Nation	-2.61	-2.55	-0.14	0.05	0.42	-0.26	-0.13
Rank Among 50 States	37	37	35	18	3	44	45

NEW YORK

2019 Employment: 10,461,286

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.54	2.94	0.12	0.74	0.27	0.27	0.20
Difference from Nation	-0.97	-0.17	0.00	-0.48	-0.16	-0.15	-0.01
Rank Among 51 States	34	22	20	48	51	43	29
Change in Share	0.53	0.56	0.05	0.01	-0.11	0.02	-0.01
Difference from Nation	-0.31	-0.19	0.00	-0.09	0.02	-0.04	-0.01
Rank Among 51 States	33	27	22	42	25	34	28

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Albany-Schenectady-Troy, NY (2019 Employment: 481,108; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.12	3.65	0.17	1.47	0.49	0.91	0.43
Difference from SC	1.72	0.76	0.05	0.16	0.01	0.52	0.22
Rank in SC	6	9	10	16	19	3	2
Change in Share	1.19	0.58	0.06	0.43	-0.01	0.10	0.03
Difference from SC	0.56	0.05	0.01	0.29	0.10	0.06	0.04
Rank in SC	8	17	11	4	2	5	4

Binghamton, NY (2019 Employment: 106,399; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.42	2.64	0.09	1.49	0.73	0.34	0.13
Difference from SC	1.50	0.85	0.01	0.50	0.30	-0.05	-0.11
Rank in SC	11	8	17	10	6	31	56
Change in Share	-0.79	-0.15	0.01	-0.37	-0.33	0.05	0.00
Difference from SC	-1.12	-0.35	-0.03	-0.49	-0.25	0.00	0.00
Rank in SC	69	64	64	70	70	26	38

Buffalo-Cheektowaga, NY (2019 Employment: 578,705; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.54	2.57	0.09	0.94	0.32	0.36	0.27
Difference from SC	-0.86	-0.33	-0.03	-0.36	-0.17	-0.03	0.06
Rank in SC	33	26	26	36	41	18	7
Change in Share	0.72	0.62	0.04	0.12	-0.12	0.05	0.00
Difference from SC	0.09	0.09	-0.01	-0.02	0.00	0.02	0.01
Rank in SC	13	13	23	22	24	11	15

(continued)

NEW YORK (continued)

Elmire, NY (2019 Employment: 37,339; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.90	1.21	0.02	0.94	0.50	0.18	0.06
Difference from SC	-0.71	-0.29	-0.04	-0.11	0.08	-0.16	-0.17
Rank in SC	73	62	105	51	25	89	120
Change in Share	-0.02	0.09	0.01	-0.05	-0.14	0.06	0.02
Difference from SC	-0.43	-0.14	-0.02	-0.23	-0.07	0.01	0.01
Rank in SC	95	85	105	102	101	48	49

Glens Falls, NY (2019 Employment: 57,780; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.51	1.11	0.07	0.73	0.37	0.19	0.05
Difference from SC	-1.10	-0.39	0.01	-0.33	-0.05	-0.16	-0.18
Rank in SC	91	74	30	77	59	86	122
Change in Share	0.44	0.21	0.04	0.12	-0.01	0.06	0.01
Difference from SC	0.03	-0.01	0.01	-0.05	0.06	0.01	0.01
Rank in SC	46	49	23	54	29	47	58

Ithaca, NY (2019 Employment: 59,349; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.30	3.74	0.06	0.89	0.40	1.30	0.90
Difference from SC	3.69	2.24	0.00	-0.16	-0.02	0.95	0.67
Rank in SC	5	3	43	54	51	3	2
Change in Share	0.70	0.81	0.06	-0.08	-0.19	0.24	-0.13
Difference from SC	0.29	0.59	0.02	-0.25	-0.13	0.20	-0.14
Rank in SC	25	7	15	108	113	3	117

Kingston, NY (2019 Employment: 68,455; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.15	1.06	0.03	0.47	0.23	0.26	0.10
Difference from SC	-1.46	-0.43	-0.03	-0.58	-0.19	-0.09	-0.14
Rank in SC	108	80	81	106	107	69	112
Change in Share	-0.35	-0.38	0.00	0.03	-0.06	0.05	0.00
Difference from SC	-0.76	-0.60	-0.03	-0.15	0.01	0.00	0.00
Rank in SC	115	122	108	82	59	54	69

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NEW YORK (continued)

Poughkeepsie-Newburgh-Middletown, NY (2019 Employment: 296,777; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.80	2.27	0.08	0.78	0.28	0.20	0.19
Difference from SC	-0.83	-0.01	0.00	-0.44	-0.17	-0.20	-0.02
Rank in SC	23	14	18	31	38	38	22
Change in Share	-0.69	-0.09	0.02	-0.33	-0.26	0.01	-0.03
Difference from SC	-1.16	-0.50	-0.02	-0.41	-0.14	-0.05	-0.04
Rank in SC	46	46	38	45	44	31	40

Rochester, NY (2019 Employment: 551,224; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.84	3.43	0.08	1.44	0.46	0.21	0.21
Difference from SC	0.44	0.54	-0.04	0.14	-0.02	-0.17	0.00
Rank in SC	13	11	30	19	22	39	16
Change in Share	0.60	0.73	0.03	0.07	-0.11	-0.05	-0.07
Difference from SC	-0.03	0.20	-0.02	-0.07	0.01	-0.09	-0.06
Rank in SC	18	10	27	30	22	44	42

Syracuse, NY (2019 Employment: 328,047; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.76	2.15	0.06	1.49	0.48	0.31	0.27
Difference from SC	0.13	-0.13	-0.02	0.28	0.03	-0.09	0.07
Rank in SC	15	17	27	11	17	25	7
Change in Share	0.48	0.22	0.01	0.24	-0.08	0.06	0.02
Difference from SC	0.00	-0.19	-0.02	0.16	0.04	0.00	0.02
Rank in SC	18	27	42	7	18	15	12

Utica-Rome, NY (2019 Employment: 131,876; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.38	1.87	0.12	0.74	0.31	0.24	0.10
Difference from SC	-0.73	-0.02	0.05	-0.36	-0.13	-0.15	-0.11
Rank in SC	38	24	8	45	46	38	58
Change in Share	-0.21	-0.23	0.03	-0.01	-0.07	0.07	0.00
Difference from SC	-0.57	-0.51	0.00	-0.13	0.04	0.02	0.00
Rank in SC	55	61	18	45	21	16	27

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NEW YORK (continued)

Watertown-Fort Drum, NY (2019 Employment: 58,158; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.98	1.33	0.05	0.77	0.40	0.30	0.13
Difference from SC	-0.63	-0.16	-0.01	-0.28	-0.02	-0.05	-0.10
Rank in SC	67	51	60	70	49	61	97
Change in Share	0.00	0.06	0.02	0.02	-0.07	-0.02	-0.01
Difference from SC	-0.41	-0.17	-0.01	-0.15	0.00	-0.07	-0.01
Rank in SC	92	91	61	83	65	97	76

METROPOLITAN AREAS PRIMARILY WITHIN STATE

New York-Newark-Jersey City, NY-NJ-PA (2019 Employment: 10,201,145 of which 7,017,378 is in NY; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.32	3.05	0.14	0.54	0.21	0.21	0.18
Difference from SC	-2.11	-0.84	-0.02	-0.77	-0.22	-0.24	-0.02
Change in Share	0.51	0.55	0.06	-0.02	-0.09	0.02	-0.01
Difference from SC	-0.37	-0.32	-0.01	-0.05	0.06	-0.04	0.00

NONMETROPOLITAN AREA (2019 Employment: 546,490)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.80	1.06	0.05	0.91	0.36	0.26	0.16
Difference from Nation	0.02	0.05	0.01	0.07	0.00	-0.06	-0.05
Rank Among 47 States	24	14	13	17	24	30	33
Change in Share	0.27	0.10	0.02	0.17	-0.05	0.03	0.00
Difference from Nation	0.10	0.00	0.01	0.08	0.02	-0.01	0.01
Rank Among 47 States	19	32	10	13	20	28	23

COUNTY NOT REPORTED (2019 Employment: 142,201)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	11.53	9.11	0.28	1.17	0.36	0.35	0.27
Difference from Nation	-0.81	-0.09	-0.03	-0.39	-0.15	-0.18	0.02
Rank Among 50 States	25	22	18	36	40	38	18
Change in Share	5.03	4.40	0.20	0.24	-0.11	0.15	0.16
Difference from Nation	-0.52	-0.31	-0.02	-0.13	-0.03	-0.08	0.06
Rank Among 50 States	22	17	20	33	31	31	12

NORTH CAROLINA

2019 Employment: 5,090,668

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.44	3.20	0.13	1.04	0.41	0.48	0.18
Difference from Nation	-0.07	0.09	0.01	-0.18	-0.02	0.06	-0.03
Rank Among 51 States	21	15	16	29	30	16	39
Change in Share	1.19	0.97	0.07	0.15	-0.09	0.10	-0.01
Difference from Nation	0.36	0.23	0.01	0.05	0.03	0.04	0.00
Rank Among 51 States	6	10	12	19	19	11	27

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Asheville, NC (2019 Employment: 222,870; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.02	1.19	0.05	0.89	0.48	0.31	0.09
Difference from SC	-1.61	-1.09	-0.04	-0.32	0.04	-0.09	-0.11
Rank in SC	35	39	37	24	15	23	43
Change in Share	0.27	0.13	0.02	0.18	-0.08	0.03	-0.02
Difference from SC	-0.21	-0.27	-0.02	0.10	0.05	-0.03	-0.03
Rank in SC	25	33	36	14	14	28	35

Burlington, NC (2019 Employment: 70,518; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.81	1.34	0.01	0.70	0.34	0.32	0.10
Difference from SC	-0.80	-0.16	-0.05	-0.36	-0.08	-0.03	-0.13
Rank in SC	79	49	112	83	70	52	108
Change in Share	0.13	-0.07	0.00	0.06	-0.03	0.15	0.02
Difference from SC	-0.28	-0.29	-0.03	-0.11	0.03	0.10	0.02
Rank in SC	78	111	123	72	39	11	41

Durham-Chapel Hill, NC (2019 Employment: 362,700; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.84	5.43	0.32	1.37	0.50	1.86	0.37
Difference from SC	4.44	2.53	0.19	0.06	0.01	1.47	0.16
Rank in SC	1	3	1	22	18	1	4
Change in Share	0.27	0.59	0.15	-0.41	-0.30	0.33	-0.08
Difference from SC	-0.36	0.06	0.10	-0.56	-0.19	0.29	-0.08
Rank in SC	32	14	1	45	44	2	44

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NORTH CAROLINA (continued)

Fayetteville, NC (2019 Employment: 218,643; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.35	1.63	0.07	0.82	0.33	0.34	0.16
Difference from SC	-1.28	-0.65	-0.02	-0.40	-0.11	-0.06	-0.04
Rank in SC	34	31	26	28	27	19	28
Change in Share	0.02	0.12	0.03	0.00	-0.10	0.00	-0.02
Difference from SC	-0.45	-0.29	-0.01	-0.08	0.02	-0.06	-0.03
Rank in SC	39	35	26	32	22	38	36

Goldsboro, NC (2019 Employment: 51,212; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.29	0.97	0.03	0.57	0.33	0.26	0.13
Difference from SC	-1.32	-0.53	-0.03	-0.49	-0.08	-0.09	-0.10
Rank in SC	103	93	77	100	72	68	96
Change in Share	-0.02	0.18	0.01	-0.10	-0.11	0.01	0.00
Difference from SC	-0.43	-0.04	-0.02	-0.28	-0.04	-0.04	-0.01
Rank in SC	94	55	82	114	89	79	72

Greensboro-High Point, NC (2019 Employment: 391,038; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.61	1.94	0.06	0.89	0.38	0.22	0.11
Difference from SC	-1.80	-0.95	-0.06	-0.41	-0.11	-0.17	-0.09
Rank in SC	41	37	35	38	34	38	43
Change in Share	0.48	0.32	0.02	0.18	-0.06	0.02	0.00
Difference from SC	-0.15	-0.21	-0.03	0.03	0.06	-0.02	0.01
Rank in SC	25	28	33	16	9	25	16

Greenville, NC (2019 Employment: 85,987; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.43	1.44	0.07	0.85	0.39	0.50	0.17
Difference from SC	-0.49	-0.34	0.00	-0.14	-0.04	0.12	-0.07
Rank in SC	39	45	31	34	37	19	39
Change in Share	0.34	0.11	0.04	0.14	-0.05	0.13	-0.04
Difference from SC	0.01	-0.10	0.01	0.02	0.04	0.08	-0.04
Rank in SC	35	45	23	24	23	7	58

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NORTH CAROLINA (continued)

Hickory-Lenoir-Morganton, NC (2019 Employment: 167,820; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.80	1.09	0.05	0.84	0.46	0.25	0.11
Difference from SC	-1.30	-0.79	-0.02	-0.27	0.01	-0.14	-0.10
Rank in SC	52	53	40	41	24	35	52
Change in Share	0.72	0.32	0.03	0.22	0.04	0.10	0.01
Difference from SC	0.36	0.04	0.00	0.10	0.16	0.05	0.01
Rank in SC	14	19	33	17	2	9	24

Jacksonville, NC (2019 Employment: 102,494; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.09	1.65	0.04	0.68	0.37	0.23	0.12
Difference from SC	-0.83	-0.13	-0.04	-0.32	-0.07	-0.15	-0.13
Rank in SC	45	31	52	49	38	43	64
Change in Share	-0.63	-0.30	0.01	-0.13	-0.09	-0.10	-0.02
Difference from SC	-0.96	-0.51	-0.02	-0.25	-0.01	-0.15	-0.02
Rank in SC	68	70	61	67	39	68	45

New Bern, NC (2019 Employment: 56,995; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.59	1.20	0.03	2.27	0.67	0.32	0.10
Difference from SC	0.97	-0.30	-0.03	1.21	0.25	-0.03	-0.13
Rank in SC	22	64	82	7	9	51	107
Change in Share	-0.46	-0.37	0.01	0.14	-0.17	-0.08	0.01
Difference from SC	-0.86	-0.59	-0.02	-0.04	-0.10	-0.13	0.01
Rank in SC	118	121	96	50	108	119	55

Raleigh-Cary, NC (2019 Employment: 703,805; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.37	5.88	0.20	1.59	0.56	0.83	0.31
Difference from SC	3.97	2.99	0.07	0.29	0.07	0.45	0.10
Rank in SC	2	1	9	10	12	4	6
Change in Share	2.08	1.70	0.10	0.28	-0.14	0.14	-0.01
Difference from SC	1.45	1.17	0.05	0.14	-0.03	0.11	0.00
Rank in SC	2	2	5	9	33	4	20

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NORTH CAROLINA (continued)

Rocky Mount, NC (2019 Employment: 62,626; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.14	1.11	0.05	1.06	0.56	0.30	0.06
Difference from SC	-0.47	-0.39	-0.01	0.01	0.14	-0.04	-0.18
Rank in SC	58	75	56	38	18	58	121
Change in Share	0.43	0.15	0.02	0.28	0.01	-0.02	-0.02
Difference from SC	0.02	-0.07	-0.01	0.11	0.08	-0.07	-0.02
Rank in SC	47	64	49	22	16	100	80

Wilmington, NC (2019 Employment: 145,087; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.74	2.08	0.08	1.00	0.42	0.86	0.30
Difference from SC	0.63	0.19	0.01	-0.10	-0.03	0.47	0.09
Rank in SC	18	21	19	29	31	6	9
Change in Share	0.93	0.67	0.04	0.13	-0.16	0.23	0.03
Difference from SC	0.56	0.39	0.01	0.01	-0.05	0.18	0.03
Rank in SC	9	7	13	26	46	2	13

Winston-Salem, NC (2019 Employment: 295,603; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.72	2.10	0.07	0.82	0.31	0.29	0.13
Difference from SC	-0.91	-0.18	-0.01	-0.40	-0.13	-0.11	-0.08
Rank in SC	25	18	22	27	29	26	34
Change in Share	0.86	0.59	0.03	0.19	-0.03	0.07	0.01
Difference from SC	0.39	0.18	0.00	0.11	0.09	0.00	0.01
Rank in SC	11	14	16	11	5	14	17

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Charlotte-Concord-Gastonia, NC-SC (2019 Employment: 1,348,523 of which 1,196,339 is in NC; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.05	4.07	0.18	1.08	0.39	0.20	0.14
Difference from SC	-0.38	0.18	0.02	-0.23	-0.04	-0.25	-0.07
Change in Share	1.22	1.12	0.09	0.14	-0.15	0.03	0.00
Difference from SC	0.34	0.24	0.02	0.10	0.00	-0.03	0.01

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NORTH CAROLINA (continued)

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Myrtle Beach-Conway-North Myrtle Beach, SC-NC (2019 Employment: 187,198 of which 38,705 is in NC; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.15	1.39	0.16	0.62	0.32	0.43	0.24
Difference from SC	-0.96	-0.50	0.09	-0.48	-0.13	0.04	0.03
Change in Share	-0.24	0.46	0.04	-0.54	-0.13	0.06	-0.13
Difference from SC	-0.60	0.18	0.01	-0.65	-0.02	0.01	-0.13

Virginia Beach-Norfolk-Newport News, VA-NC (2019 Employment: 905,415 of which 12,139 is in NC; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.60	2.29	0.01	0.91	0.30	0.79	0.31
Difference from SC	-0.80	-0.61	-0.11	-0.39	-0.19	0.41	0.10
Change in Share	1.32	0.54	-0.01	0.34	-0.15	0.49	0.10
Difference from SC	0.69	0.01	-0.06	0.20	-0.03	0.45	0.11

NONMETROPOLITAN AREA (2019 Employment: 768,638)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.28	1.01	0.04	0.58	0.30	0.23	0.14
Difference from Nation	-0.51	-0.01	-0.01	-0.26	-0.06	-0.09	-0.07
Rank Among 47 States	40	21	29	38	32	35	39
Change in Share	0.17	0.13	0.01	0.09	-0.04	0.02	-0.04
Difference from Nation	0.01	0.03	0.00	-0.01	0.04	-0.02	-0.03
Rank Among 47 States	25	24	29	24	11	33	36

COUNTY NOT REPORTED (2019 Employment: 137,449)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	13.72	10.08	0.41	1.66	0.54	0.79	0.24
Difference from Nation	1.38	0.88	0.11	0.10	0.03	0.26	-0.01
Rank Among 50 States	11	12	8	14	18	9	23
Change in Share	6.40	4.93	0.32	0.55	0.01	0.46	0.13
Difference from Nation	0.85	0.22	0.10	0.18	0.09	0.23	0.02
Rank Among 50 States	9	13	6	11	16	9	16

NORTH DAKOTA

2019 Employment: 488,480

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.86	1.68	0.07	0.94	0.50	0.43	0.24
Difference from Nation	-1.65	-1.43	-0.06	-0.28	0.07	0.01	0.03
Rank Among 51 States	43	48	41	41	13	21	16
Change in Share	0.13	-0.03	0.02	0.16	-0.02	0.01	0.00
Difference from Nation	-0.70	-0.78	-0.04	0.07	0.11	-0.05	0.00
Rank Among 51 States	47	51	46	17	1	42	24

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Bismarck, ND (2019 Employment: 78,113; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.81	2.11	0.11	1.21	0.63	0.55	0.22
Difference from SC	0.89	0.32	0.03	0.21	0.19	0.16	-0.03
Rank in SC	16	18	14	18	9	15	28
Change in Share	0.27	0.01	0.04	0.27	-0.03	0.02	-0.04
Difference from SC	-0.06	-0.20	0.00	0.15	0.06	-0.03	-0.04
Rank in SC	42	56	25	17	16	42	59

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Fargo, ND-MN (2019 Employment: 154,580 of which 130,551 is in ND; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.30	3.02	0.11	0.96	0.54	0.43	0.24
Difference from SC	1.19	1.13	0.03	-0.14	0.09	0.05	0.03
Change in Share	0.12	0.10	0.03	0.09	-0.07	0.00	-0.03
Difference from SC	-0.24	-0.18	0.00	-0.03	0.04	-0.05	-0.03

Grand Forks, ND-MN (2019 Employment: 61,421 of which 46,498 is in ND; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.50	1.32	0.09	0.80	0.61	0.47	0.21
Difference from SC	-0.11	-0.18	0.03	-0.26	0.19	0.12	-0.02
Change in Share	0.19	-0.10	0.03	0.24	0.03	0.01	-0.01
Difference from SC	-0.22	-0.32	0.00	0.06	0.09	-0.04	-0.01

(continued)

NORTH DAKOTA (continued)

NONMETROPOLITAN AREA (2019 Employment: 230,440)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.78	0.84	0.03	0.86	0.41	0.38	0.26
Difference from Nation	-0.01	-0.18	-0.02	0.02	0.05	0.06	0.05
Rank Among 47 States	26	38	41	19	14	14	14
Change in Share	0.03	-0.15	0.00	0.14	0.01	0.01	0.02
Difference from Nation	-0.13	-0.25	-0.02	0.04	0.09	-0.03	0.03
Rank Among 47 States	37	46	44	16	3	37	10

COUNTY NOT REPORTED (2019 Employment: 2,879)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.30	2.55	0.00	1.12	0.95	0.47	0.20
Difference from Nation	-7.04	-6.65	-0.30	-0.43	0.44	-0.05	-0.05
Rank Among 50 States	46	49	47	39	2	22	35
Change in Share	4.59	2.10	0.00	1.05	0.76	0.47	0.20
Difference from Nation	-0.96	-2.60	-0.22	0.68	0.84	0.25	0.10
Rank Among 50 States	27	41	45	4	1	6	8

OHIO

2019 Employment: 5,981,267

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.21	2.86	0.14	1.28	0.40	0.30	0.22
Difference from Nation	-0.30	-0.25	0.02	0.06	-0.03	-0.11	0.01
Rank Among 51 States	23	24	14	18	32	37	23
Change in Share	1.03	0.78	0.08	0.19	-0.08	0.05	0.02
Difference from Nation	0.20	0.03	0.02	0.09	0.04	-0.01	0.02
Rank Among 51 States	11	14	7	11	13	24	6

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Akron, OH (2019 Employment: 354,084; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.26	2.84	0.08	1.46	0.47	0.24	0.16
Difference from SC	-0.14	-0.05	-0.04	0.16	-0.01	-0.14	-0.05
Rank in SC	22	19	28	17	21	33	31
Change in Share	1.16	0.86	0.04	0.27	-0.07	0.04	0.01
Difference from SC	0.53	0.33	-0.01	0.13	0.05	0.01	0.02
Rank in SC	9	7	18	11	11	15	10

Canton-Massillon, OH (2019 Employment: 182,137; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.69	1.40	0.04	0.68	0.28	0.16	0.13
Difference from SC	-1.42	-0.49	-0.03	-0.43	-0.17	-0.22	-0.08
Rank in SC	53	40	50	47	52	54	50
Change in Share	0.50	0.34	0.02	0.11	-0.04	0.05	0.01
Difference from SC	0.14	0.06	-0.01	-0.01	0.07	0.00	0.01
Rank in SC	20	18	38	28	12	22	19

Cleveland-Elyria, OH (2019 Employment: 1,130,803; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.29	3.04	0.11	1.14	0.38	0.32	0.29
Difference from SC	-1.15	-0.84	-0.05	-0.17	-0.05	-0.13	0.09
Rank in SC	26	27	28	23	25	22	7
Change in Share	0.90	0.75	0.05	0.11	-0.08	0.04	0.03
Difference from SC	0.03	-0.12	-0.02	0.08	0.08	-0.02	0.03
Rank in SC	17	18	28	11	3	19	5

(continued)

OHIO (continued)

Columbus, OH (2019 Employment: 1,154,798; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.43	3.99	0.20	1.21	0.43	0.38	0.22
Difference from SC	0.00	0.11	0.05	-0.10	0.00	-0.07	0.02
Rank in SC	14	13	7	19	19	18	16
Change in Share	0.87	0.70	0.09	0.15	-0.12	0.05	0.01
Difference from SC	0.00	-0.18	0.02	0.12	0.03	-0.01	0.02
Rank in SC	19	21	11	9	12	15	8

Dayton-Kettering, OH (2019 Employment: 414,451; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.28	3.83	0.21	2.24	0.53	0.32	0.13
Difference from SC	1.88	0.93	0.09	0.94	0.05	-0.06	-0.07
Rank in SC	5	8	6	1	15	24	37
Change in Share	1.27	1.08	0.12	0.19	-0.13	0.02	-0.01
Difference from SC	0.63	0.55	0.08	0.05	-0.01	-0.02	0.00
Rank in SC	6	5	3	15	31	27	26

Lima, OH (2019 Employment: 54,732; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.09	1.04	0.06	1.07	0.36	0.29	0.27
Difference from SC	-0.52	-0.46	0.00	0.01	-0.05	-0.06	0.04
Rank in SC	62	81	38	37	62	63	37
Change in Share	0.53	0.19	0.04	0.18	-0.06	0.10	0.07
Difference from SC	0.12	-0.03	0.01	0.00	0.01	0.06	0.07
Rank in SC	41	53	24	42	55	23	13

Mansfield, OH (2019 Employment: 54,623; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.86	1.12	0.03	0.99	0.44	0.09	0.18
Difference from SC	-0.76	-0.37	-0.03	-0.06	0.02	-0.26	-0.05
Rank in SC	77	71	72	46	38	116	61
Change in Share	-0.18	0.06	0.01	-0.15	-0.19	0.02	0.08
Difference from SC	-0.59	-0.17	-0.02	-0.32	-0.12	-0.03	0.08
Rank in SC	108	92	102	118	111	68	10

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OHIO (continued)

Springfield, OH (2019 Employment: 53,281; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.73	3.25	0.18	0.78	0.29	0.06	0.18
Difference from SC	1.12	1.75	0.12	-0.28	-0.13	-0.29	-0.05
Rank in SC	19	5	2	68	87	122	63
Change in Share	1.97	1.53	0.17	0.18	0.04	-0.02	0.08
Difference from SC	1.56	1.31	0.14	0.01	0.10	-0.07	0.07
Rank in SC	5	1	2	41	11	98	12

Toledo, OH (2019 Employment: 337,621; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.41	1.41	0.05	1.08	0.40	0.25	0.23
Difference from SC	-1.22	-0.87	-0.04	-0.14	-0.04	-0.15	0.02
Rank in SC	31	35	39	18	24	33	14
Change in Share	0.62	0.30	0.02	0.25	-0.06	0.05	0.06
Difference from SC	0.15	-0.11	-0.01	0.17	0.06	-0.01	0.06
Rank in SC	15	22	31	5	10	18	5

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Cincinnati, OH-KY-IN (2019 Employment: 1,164,906 of which 917,490 is in OH; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.22	3.35	0.24	1.60	0.37	0.39	0.27
Difference from SC	-0.21	-0.54	0.09	0.28	-0.06	-0.06	0.07
Change in Share	1.06	0.73	0.12	0.25	-0.11	0.06	0.02
Difference from SC	0.18	-0.14	0.05	0.21	0.04	0.00	0.02

Youngstown-Warren-Boardman, OH-PA (2019 Employment: 229,529 of which 178,621 is in OH; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.25	1.07	0.03	0.64	0.32	0.11	0.07
Difference from SC	-2.39	-1.21	-0.05	-0.58	-0.12	-0.29	-0.14
Change in Share	-0.01	0.12	0.01	-0.05	-0.09	0.01	-0.02
Difference from SC	-0.49	-0.29	-0.02	-0.13	0.03	-0.05	-0.03

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OHIO (continued)

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Huntington-Ashland, WV-KY-OH (2019 Employment: 144,675 of which 15,050 is in OH; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.94	0.40	0.21	0.70	0.03	0.01	0.59
Difference from SC	-2.16	-1.49	0.14	-0.40	-0.42	-0.38	0.38
Change in Share	0.72	0.04	0.10	0.47	-0.01	-0.03	0.16
Difference from SC	0.36	-0.24	0.07	0.35	0.10	-0.08	0.16

Weirton-Steubenville, WV-OH (2019 Employment: 42,377 of which 23,742 is in OH; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.42	1.13	0.00	0.71	0.10	0.14	0.34
Difference from SC	-1.19	-0.37	-0.06	-0.34	-0.32	-0.20	0.11
Change in Share	-0.07	-0.20	0.00	0.07	-0.21	0.08	0.20
Difference from SC	-0.48	-0.42	-0.03	-0.11	-0.14	0.03	0.19

Wheeling, WV-OH (2019 Employment: 67,640 of which 24,278 is in OH; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.05	0.91	0.00	0.69	0.07	0.23	0.16
Difference from SC	-1.56	-0.59	-0.06	-0.37	-0.35	-0.12	-0.07
Change in Share	0.58	0.16	-0.01	0.35	-0.02	0.05	0.05
Difference from SC	0.18	-0.06	-0.04	0.17	0.05	0.01	0.04

NONMETROPOLITAN AREA (2019 Employment: 961,628)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.95	0.98	0.05	1.15	0.42	0.20	0.15
Difference from Nation	0.16	-0.03	0.00	0.31	0.05	-0.11	-0.06
Rank Among 47 States	17	23	14	7	13	37	36
Change in Share	0.49	0.19	0.03	0.23	-0.02	0.04	0.02
Difference from Nation	0.33	0.09	0.01	0.14	0.06	0.01	0.03
Rank Among 47 States	8	14	7	7	6	21	15

COUNTY NOT REPORTED (2019 Employment: 123,928)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	12.58	9.57	0.45	1.47	0.42	0.39	0.28
Difference from Nation	0.24	0.37	0.15	-0.09	-0.08	-0.13	0.02
Rank Among 50 States	16	18	6	24	31	33	15
Change in Share	4.98	4.14	0.35	0.33	-0.07	0.11	0.11
Difference from Nation	-0.57	-0.56	0.13	-0.04	0.01	-0.12	0.01
Rank Among 50 States	23	22	4	24	23	35	22

OKLAHOMA

2019 Employment: 1,851,749

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.40	2.05	0.08	1.22	0.53	0.30	0.24
Difference from Nation	-1.11	-1.06	-0.05	0.00	0.09	-0.12	0.03
Rank Among 51 States	36	37	39	24	10	39	17
Change in Share	0.49	0.40	0.03	0.18	-0.07	-0.02	-0.03
Difference from Nation	-0.34	-0.35	-0.03	0.09	0.05	-0.08	-0.03
Rank Among 51 States	36	38	40	12	8	49	40

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Enid, OK (2019 Employment: 28,498; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.29	1.45	0.01	1.01	0.36	0.10	0.37
Difference from SC	-0.32	-0.04	-0.05	-0.05	-0.06	-0.25	0.13
Rank in SC	51	41	116	43	63	114	15
Change in Share	-0.49	0.33	0.00	-0.35	-0.38	-0.08	-0.01
Difference from SC	-0.89	0.11	-0.03	-0.52	-0.32	-0.13	-0.01
Rank in SC	119	34	115	121	123	118	73

Lawton, OK (2019 Employment: 58,289; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.50	1.78	0.07	0.78	0.34	0.34	0.20
Difference from SC	-0.11	0.28	0.01	-0.28	-0.08	-0.01	-0.03
Rank in SC	45	26	27	69	71	47	56
Change in Share	0.44	0.49	0.03	0.05	-0.06	-0.01	-0.06
Difference from SC	0.04	0.27	0.00	-0.13	0.01	-0.05	-0.06
Rank in SC	45	16	46	78	54	91	103

Oklahoma City, OK (2019 Employment: 707,837; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.23	2.49	0.11	1.39	0.63	0.35	0.25
Difference from SC	-0.17	-0.41	-0.01	0.09	0.14	-0.03	0.05
Rank in SC	23	29	17	20	6	19	10
Change in Share	0.42	0.41	0.04	0.14	-0.10	-0.03	-0.04
Difference from SC	-0.21	-0.12	-0.01	0.00	0.02	-0.07	-0.04
Rank in SC	27	23	17	21	21	40	40

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OKLAHOMA (continued)

Tulsa, OK (2019 Employment: 489,418; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.15	2.37	0.07	1.64	0.70	0.20	0.18
Difference from SC	-0.25	-0.52	-0.06	0.34	0.21	-0.19	-0.03
Rank in SC	25	31	33	8	3	40	28
Change in Share	0.86	0.46	0.02	0.43	-0.05	-0.01	0.00
Difference from SC	0.23	-0.07	-0.03	0.29	0.07	-0.05	0.01
Rank in SC	12	21	30	3	6	34	17

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Fort Smith, AR-OK (2019 Employment: 109,792 of which 11,401 is in OK; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.73	0.82	0.01	0.56	0.15	0.06	0.13
Difference from SC	-2.19	-0.97	-0.07	-0.44	-0.28	-0.32	-0.11
Change in Share	0.23	0.29	0.00	-0.04	-0.05	0.00	0.03
Difference from SC	-0.11	0.08	-0.03	-0.17	0.03	-0.05	0.03

NONMETROPOLITAN AREA (2019 Employment: 534,288)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.71	1.10	0.04	0.68	0.27	0.33	0.28
Difference from Nation	-0.08	0.09	0.00	-0.16	-0.09	0.01	0.07
Rank Among 47 States	28	12	22	32	35	23	12
Change in Share	0.11	0.19	0.01	0.02	-0.05	-0.03	-0.03
Difference from Nation	-0.05	0.09	-0.01	-0.08	0.03	-0.06	-0.02
Rank Among 47 States	31	15	37	38	18	45	34

COUNTY NOT REPORTED (2019 Employment: 22,017)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.80	5.46	0.11	1.26	0.52	0.17	0.27
Difference from Nation	-4.55	-3.74	-0.19	-0.29	0.01	-0.35	0.02
Rank Among 50 States	38	39	38	30	22	48	17
Change in Share	2.24	2.14	0.08	0.14	-0.09	-0.06	0.03
Difference from Nation	-3.31	-2.57	-0.14	-0.23	-0.01	-0.29	-0.07
Rank Among 50 States	42	40	34	36	28	46	41

OREGON

2019 Employment: 2,209,235

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.84	2.87	0.11	1.46	0.59	0.48	0.33
Difference from Nation	0.33	-0.24	-0.02	0.24	0.15	0.07	0.12
Rank Among 51 States	15	23	24	11	4	15	5
Change in Share	0.86	0.65	0.05	0.18	-0.11	0.07	0.02
Difference from Nation	0.03	-0.10	0.00	0.08	0.01	0.01	0.03
Rank Among 51 States	17	17	23	15	29	16	5

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Albany-Lebanon, OR (2019 Employment: 66,261; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.79	0.91	0.02	0.72	0.58	0.25	0.30
Difference from SC	-0.83	-0.58	-0.04	-0.34	0.16	-0.10	0.07
Rank in SC	82	104	93	80	16	70	29
Change in Share	0.17	0.11	0.01	0.09	0.00	0.00	-0.03
Difference from SC	-0.24	-0.12	-0.02	-0.08	0.07	-0.05	-0.04
Rank in SC	72	80	75	61	24	86	93

Bend, OR (2019 Employment: 98,503; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.91	1.85	0.08	0.78	0.43	0.52	0.26
Difference from SC	-0.01	0.06	0.00	-0.22	0.00	0.14	0.01
Rank in SC	28	25	26	40	30	17	20
Change in Share	0.65	0.50	0.04	0.01	-0.12	0.22	0.00
Difference from SC	0.32	0.30	0.00	-0.11	-0.03	0.16	-0.01
Rank in SC	17	11	24	50	49	3	39

Corvallis, OR (2019 Employment: 44,629; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.86	3.19	0.10	2.23	0.93	1.39	1.02
Difference from SC	5.24	1.69	0.04	1.17	0.51	1.04	0.79
Rank in SC	3	6	18	8	6	1	1
Change in Share	-1.10	-0.29	0.04	-0.56	-0.63	0.16	0.18
Difference from SC	-1.51	-0.51	0.01	-0.74	-0.56	0.11	0.17
Rank in SC	124	120	30	124	124	10	3

(continued)

OREGON (continued)

Eugene-Springfield, OR (2019 Employment: 179,666; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.74	2.22	0.06	0.58	0.29	0.33	0.25
Difference from SC	-0.37	0.34	-0.01	-0.53	-0.16	-0.05	0.04
Rank in SC	30	18	30	51	49	21	15
Change in Share	-0.25	0.08	0.03	-0.21	-0.19	0.00	0.03
Difference from SC	-0.62	-0.20	0.00	-0.32	-0.08	-0.05	0.03
Rank in SC	56	50	24	57	51	48	10

Grants Pass, OR (2019 Employment: 33,448; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.48	1.25	0.04	0.38	0.34	0.17	0.30
Difference from SC	-1.13	-0.25	-0.02	-0.67	-0.08	-0.18	0.07
Rank in SC	93	58	65	120	69	97	27
Change in Share	-0.01	0.35	0.01	-0.19	-0.06	-0.05	-0.07
Difference from SC	-0.41	0.13	-0.02	-0.37	0.01	-0.09	-0.08
Rank in SC	93	30	68	119	57	110	107

Medford, OR (2019 Employment: 103,540; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.06	1.56	0.04	0.57	0.20	0.39	0.30
Difference from SC	-0.86	-0.23	-0.03	-0.42	-0.24	0.01	0.05
Rank in SC	47	37	51	57	68	27	15
Change in Share	0.33	0.22	0.02	0.10	-0.06	0.01	0.05
Difference from SC	0.00	0.01	-0.01	-0.03	0.03	-0.04	0.04
Rank in SC	37	30	52	34	26	49	13

Salem, OR (2019 Employment: 200,930; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.42	1.90	0.10	0.56	0.26	0.39	0.21
Difference from SC	-1.21	-0.38	0.02	-0.65	-0.18	-0.01	0.00
Rank in SC	30	23	11	39	40	14	19
Change in Share	0.31	0.35	0.04	0.00	-0.12	0.01	0.02
Difference from SC	-0.16	-0.05	0.01	-0.08	0.00	-0.05	0.01
Rank in SC	23	18	11	33	26	34	14

(continued)

OREGON (continued)

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Portland-Vancouver-Hillsboro, OR-WA (2019 Employment: 1,362,152 of which 1,171,111 is in OR; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.75	3.84	0.15	2.16	0.82	0.46	0.32
Difference from SC	1.32	-0.05	-0.01	0.84	0.39	0.01	0.12
Change in Share	1.29	0.89	0.07	0.31	-0.12	0.09	0.05
Difference from SC	0.42	0.02	0.00	0.27	0.03	0.03	0.06

NONMETROPOLITAN AREA (2019 Employment: 297,429)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.78	0.94	0.03	0.53	0.23	0.66	0.39
Difference from Nation	0.00	-0.07	-0.01	-0.31	-0.13	0.34	0.17
Rank Among 47 States	25	29	30	39	43	6	10
Change in Share	0.08	0.15	0.01	0.04	-0.08	0.04	-0.08
Difference from Nation	-0.09	0.05	-0.01	-0.06	-0.01	0.00	-0.07
Rank Among 47 States	33	20	33	33	32	24	39

COUNTY NOT REPORTED (2019 Employment: 25,857)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	11.62	8.04	0.22	1.62	0.52	0.71	0.52
Difference from Nation	-0.73	-1.16	-0.09	0.06	0.01	0.19	0.26
Rank Among 50 States	24	26	27	16	23	13	4
Change in Share	5.73	3.62	0.18	0.83	0.13	0.57	0.39
Difference from Nation	0.18	-1.09	-0.04	0.46	0.21	0.35	0.29
Rank Among 50 States	17	27	24	6	7	5	3

PENNSYLVANIA

2019 Employment: 6,553,697

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.18	2.76	0.15	1.19	0.43	0.45	0.20
Difference from Nation	-0.33	-0.35	0.02	-0.03	-0.01	0.04	-0.01
Rank Among 51 States	24	25	10	26	27	18	27
Change in Share	0.85	0.59	0.07	0.17	-0.07	0.08	0.00
Difference from Nation	0.02	-0.16	0.02	0.08	0.05	0.02	0.01
Rank Among 51 States	18	23	9	16	9	14	19

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Altoona, PA (2019 Employment: 63,277; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.93	1.27	0.03	0.81	0.39	0.29	0.15
Difference from SC	-0.68	-0.23	-0.03	-0.25	-0.03	-0.06	-0.09
Rank in SC	70	56	88	62	53	64	78
Change in Share	0.23	0.05	0.01	0.09	-0.08	0.10	0.05
Difference from SC	-0.18	-0.17	-0.02	-0.08	-0.01	0.06	0.04
Rank in SC	66	93	99	60	71	21	24

Bloomsburg-Berwick, PA (2019 Employment: 44,053; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.14	1.39	0.13	0.84	0.30	0.34	0.15
Difference from SC	-0.47	-0.11	0.07	-0.22	-0.12	-0.01	-0.08
Rank in SC	57	44	7	60	84	45	76
Change in Share	0.76	0.29	0.05	0.22	0.01	0.15	0.04
Difference from SC	0.35	0.07	0.02	0.04	0.08	0.10	0.03
Rank in SC	23	38	18	32	15	12	30

Chambersburg-Waynesboro, PA (2019 Employment: 67,465; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.58	1.47	0.07	1.21	0.45	0.25	0.14
Difference from SC	-0.03	-0.02	0.00	0.15	0.03	-0.10	-0.10
Rank in SC	40	40	37	26	34	72	90
Change in Share	0.66	0.35	0.04	0.28	-0.10	0.06	0.02
Difference from SC	0.25	0.13	0.01	0.11	-0.03	0.02	0.01
Rank in SC	28	29	28	23	84	44	48

(continued)

PENNSYLVANIA (continued)

East Stroudsburg, PA (2019 Employment: 63,583; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.20	1.11	0.06	0.91	0.36	0.47	0.28
Difference from SC	-0.41	-0.39	0.00	-0.15	-0.05	0.13	0.05
Rank in SC	55	73	44	52	61	24	32
Change in Share	0.10	0.08	0.02	0.08	-0.07	0.07	-0.08
Difference from SC	-0.31	-0.15	-0.01	-0.09	-0.01	0.03	-0.08
Rank in SC	83	87	47	65	68	39	111

Erie, PA (2019 Employment: 133,086; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.12	1.46	0.06	0.95	0.39	0.17	0.10
Difference from SC	-0.98	-0.43	-0.01	-0.16	-0.06	-0.22	-0.11
Rank in SC	44	39	33	35	36	53	56
Change in Share	0.31	0.12	0.02	0.09	0.01	0.05	0.00
Difference from SC	-0.06	-0.16	-0.01	-0.02	0.12	0.00	0.00
Rank in SC	32	44	37	29	5	23	26

Gettysburg, PA (2019 Employment: 41,427; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.01	1.03	0.07	0.41	0.26	0.12	0.12
Difference from SC	-1.61	-0.47	0.01	-0.64	-0.16	-0.23	-0.11
Rank in SC	113	86	35	116	94	109	101
Change in Share	-0.08	0.17	0.03	-0.24	-0.08	0.03	0.01
Difference from SC	-0.49	-0.05	0.00	-0.41	-0.01	-0.02	0.01
Rank in SC	100	61	44	120	76	64	52

Harrisburg-Carlisle, PA (2019 Employment: 359,039; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.49	3.27	0.17	1.05	0.40	0.39	0.21
Difference from SC	0.09	0.38	0.05	-0.25	-0.08	0.00	0.00
Rank in SC	18	13	11	32	29	15	19
Change in Share	0.43	0.40	0.04	0.11	-0.12	0.02	-0.02
Difference from SC	-0.20	-0.13	-0.01	-0.03	0.00	-0.02	-0.01
Rank in SC	26	24	19	25	25	23	33

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PENNSYLVANIA (continued)

Johnstown, PA (2019 Employment: 56,112; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.61	1.57	0.03	1.12	0.52	0.25	0.11
Difference from SC	0.00	0.07	-0.03	0.06	0.10	-0.10	-0.12
Rank in SC	37	35	71	30	23	71	103
Change in Share	-0.16	0.15	-0.01	0.06	-0.16	-0.13	-0.08
Difference from SC	-0.57	-0.07	-0.04	-0.11	-0.09	-0.18	-0.08
Rank in SC	107	66	124	73	107	124	109

Lancaster, PA (2019 Employment: 277,175; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.53	1.36	0.04	1.06	0.48	0.33	0.26
Difference from SC	-1.10	-0.92	-0.04	-0.15	0.03	-0.08	0.06
Rank in SC	28	36	41	19	16	22	9
Change in Share	0.78	0.25	0.02	0.24	0.01	0.14	0.11
Difference from SC	0.31	-0.16	-0.01	0.16	0.13	0.08	0.11
Rank in SC	13	24	29	6	1	4	1

Lebanon, PA (2019 Employment: 57,728; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.68	0.98	0.05	0.90	0.29	0.33	0.13
Difference from SC	-0.93	-0.52	-0.01	-0.15	-0.13	-0.02	-0.10
Rank in SC	85	92	58	53	85	49	92
Change in Share	0.25	0.07	0.02	0.24	-0.05	0.01	-0.03
Difference from SC	-0.15	-0.15	-0.01	0.06	0.02	-0.04	-0.04
Rank in SC	63	88	59	29	53	78	92

Pittsburgh, PA (2019 Employment: 1,238,704; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.95	3.16	0.17	1.45	0.55	0.40	0.22
Difference from SC	-0.48	-0.72	0.01	0.14	0.12	-0.05	0.02
Rank in SC	19	25	12	15	9	16	15
Change in Share	1.25	0.83	0.09	0.28	-0.07	0.10	0.03
Difference from SC	0.38	-0.04	0.02	0.25	0.08	0.04	0.03
Rank in SC	7	16	9	2	1	7	4

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PENNSYLVANIA (continued)

Reading, PA (2019 Employment: 193,798; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.45	1.73	0.06	1.52	0.72	0.22	0.20
Difference from SC	0.34	-0.15	-0.01	0.41	0.27	-0.17	-0.01
Rank in SC	23	29	34	13	6	49	25
Change in Share	0.88	0.35	0.03	0.36	0.04	0.04	0.06
Difference from SC	0.52	0.07	0.00	0.25	0.15	-0.01	0.06
Rank in SC	10	17	27	7	4	24	4

Scranton--Wilkes-Barre, PA (2019 Employment: 276,482; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.94	1.46	0.04	0.79	0.30	0.13	0.22
Difference from SC	-1.70	-0.82	-0.04	-0.43	-0.15	-0.27	0.01
Rank in SC	36	33	40	30	33	45	18
Change in Share	0.01	0.03	0.01	0.03	-0.10	0.00	0.03
Difference from SC	-0.46	-0.37	-0.02	-0.05	0.02	-0.06	0.02
Rank in SC	40	40	44	26	23	35	10

State College, PA (2019 Employment: 81,306; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.78	3.56	0.13	1.64	0.67	0.52	0.26
Difference from SC	2.86	1.77	0.05	0.64	0.24	0.14	0.01
Rank in SC	6	2	10	8	7	16	19
Change in Share	0.36	-0.13	0.03	0.42	0.01	0.06	-0.03
Difference from SC	0.03	-0.34	0.00	0.30	0.10	0.01	-0.04
Rank in SC	33	63	35	6	10	24	55

Williamsport, PA (2019 Employment: 56,307; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.35	1.25	0.05	1.10	0.49	0.30	0.17
Difference from SC	-0.26	-0.25	-0.01	0.04	0.07	-0.05	-0.06
Rank in SC	48	59	51	34	29	59	67
Change in Share	0.55	0.15	0.02	0.24	0.00	0.12	0.02
Difference from SC	0.14	-0.07	-0.01	0.06	0.07	0.07	0.02
Rank in SC	38	67	50	30	22	20	39

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PENNSYLVANIA (continued)

York-Hanover, PA (2019 Employment: 198,812; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.76	1.59	0.04	2.01	0.70	0.24	0.18
Difference from SC	0.65	-0.29	-0.04	0.90	0.25	-0.14	-0.03
Rank in SC	17	33	55	6	8	36	32
Change in Share	0.71	0.27	0.02	0.45	-0.03	0.01	-0.01
Difference from SC	0.35	-0.01	-0.01	0.33	0.09	-0.04	-0.01
Rank in SC	16	22	50	4	10	45	35

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Allentown-Bethlehem-Easton, PA-NJ (2019 Employment: 398,030 of which 361,108 is in PA; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.82	1.85	0.05	1.04	0.41	0.31	0.16
Difference from SC	-1.58	-1.05	-0.07	-0.26	-0.08	-0.08	-0.04
Change in Share	0.24	0.14	0.00	0.17	-0.05	0.01	-0.03
Difference from SC	-0.39	-0.39	-0.05	0.02	0.07	-0.03	-0.02

Philadelphia-Camden-Wilmington, PA-NJ-DE-MD (2019 Employment: 3,123,144 of which 2,176,228 is in PA; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.11	3.46	0.23	1.16	0.33	0.72	0.21
Difference from SC	-0.32	-0.43	0.07	-0.15	-0.10	0.27	0.01
Change in Share	0.61	0.47	0.11	0.06	-0.12	0.11	-0.02
Difference from SC	-0.27	-0.40	0.04	0.03	0.03	0.05	-0.02

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PENNSYLVANIA (continued)

METROPOLITAN AREAS PARTIALLY WITHIN STATE

New York-Newark-Jersey City, NY-NJ-PA (2019 Employment: 10,201,145 of which 13,564 is in PA; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.70	0.76	0.01	0.22	0.05	0.65	0.02
Difference from SC	-4.73	-3.12	-0.15	-1.10	-0.38	0.20	-0.18
Change in Share	0.06	0.38	0.00	-0.10	-0.11	-0.08	-0.03
Difference from SC	-0.82	-0.49	-0.07	-0.14	0.04	-0.14	-0.02

Youngstown-Warren-Boardman, OH-PA (2019 Employment: 229,529 of which 50,907 is in PA; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.87	1.43	0.05	0.96	0.21	0.11	0.12
Difference from SC	-1.76	-0.85	-0.03	-0.26	-0.23	-0.29	-0.09
Change in Share	1.02	0.54	0.04	0.39	0.00	0.03	0.03
Difference from SC	0.55	0.13	0.00	0.31	0.12	-0.03	0.02

NONMETROPOLITAN AREA (2019 Employment: 561,099)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.54	0.82	0.03	0.92	0.40	0.22	0.15
Difference from Nation	-0.25	-0.19	-0.01	0.08	0.04	-0.10	-0.06
Rank Among 47 States	31	40	35	15	17	36	37
Change in Share	0.23	0.04	0.02	0.17	-0.02	0.04	0.00
Difference from Nation	0.07	-0.06	0.00	0.07	0.06	0.00	0.01
Rank Among 47 States	21	39	24	14	5	25	22

COUNTY NOT REPORTED (2019 Employment: 182,436)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	13.10	9.82	0.47	1.52	0.55	0.51	0.24
Difference from Nation	0.75	0.62	0.17	-0.04	0.04	-0.02	-0.02
Rank Among 50 States	15	14	5	21	17	17	24
Change in Share	5.34	4.50	0.35	0.30	-0.12	0.22	0.09
Difference from Nation	-0.21	-0.21	0.13	-0.08	-0.04	-0.01	-0.02
Rank Among 50 States	20	16	3	28	33	24	27

RHODE ISLAND

2019 Employment: 542,898

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.51	3.08	0.13	1.35	0.40	0.36	0.19
Difference from Nation	0.00	-0.03	0.01	0.13	-0.04	-0.05	-0.02
Rank Among 51 States	17	18	15	17	33	28	33
Change in Share	0.72	0.54	0.06	0.18	-0.09	0.03	0.01
Difference from Nation	-0.11	-0.20	0.00	0.09	0.03	-0.03	0.01
Rank Among 51 States	25	31	17	14	18	31	18

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Providence-Warwick, RI-MA (2019 Employment: 782,702 of which 532,007 is in RI; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.33	2.93	0.13	1.33	0.39	0.36	0.19
Difference from SC	-0.07	0.03	0.01	0.03	-0.09	-0.03	-0.01
Change in Share	0.56	0.40	0.06	0.16	-0.09	0.02	0.00
Difference from SC	-0.07	-0.12	0.00	0.02	0.02	-0.02	0.01

COUNTY NOT REPORTED (2019 Employment: 10,891)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	14.36	10.69	0.29	2.18	0.49	0.49	0.22
Difference from Nation	2.02	1.50	-0.02	0.62	-0.02	-0.03	-0.03
Rank Among 50 States	7	8	16	6	26	21	29
Change in Share	8.48	6.79	0.22	1.09	0.01	0.25	0.12
Difference from Nation	2.93	2.08	0.00	0.72	0.09	0.02	0.02
Rank Among 50 States	2	3	14	3	17	18	17

Note: Rhode Island has no nonmetropolitan area.

SOUTH CAROLINA

2019 Employment: 2,379,996

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.39	2.09	0.06	1.38	0.48	0.25	0.12
Difference from Nation	-1.12	-1.02	-0.06	0.16	0.05	-0.16	-0.09
Rank Among 51 States	37	35	44	15	18	45	51
Change in Share	0.89	0.58	0.03	0.33	-0.06	0.03	-0.01
Difference from Nation	0.06	-0.16	-0.03	0.23	0.07	-0.03	-0.01
Rank Among 51 States	16	24	42	2	4	29	32

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Charleston-North Charleston, SC (2019 Employment: 400,608; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.39	2.88	0.12	1.51	0.53	0.24	0.12
Difference from SC	-0.01	-0.02	-0.01	0.21	0.05	-0.15	-0.08
Rank in SC	20	18	16	14	16	34	38
Change in Share	1.53	1.11	0.05	0.46	-0.04	-0.02	-0.03
Difference from SC	0.89	0.58	0.01	0.32	0.08	-0.06	-0.02
Rank in SC	3	4	14	2	5	38	38

Columbia, SC (2019 Employment: 428,995; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.63	2.80	0.09	1.01	0.36	0.26	0.11
Difference from SC	-0.77	-0.10	-0.04	-0.30	-0.13	-0.13	-0.09
Rank in SC	30	20	27	34	38	32	40
Change in Share	0.50	0.54	0.03	0.08	-0.12	-0.01	-0.02
Difference from SC	-0.14	0.01	-0.02	-0.07	0.00	-0.05	-0.01
Rank in SC	24	19	26	29	28	35	31

Florence, SC (2019 Employment: 95,971; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.81	1.66	0.05	1.12	0.49	0.29	0.20
Difference from SC	-0.11	-0.12	-0.02	0.13	0.05	-0.10	-0.05
Rank in SC	30	30	41	23	21	34	33
Change in Share	0.33	0.33	0.03	0.12	-0.07	-0.01	-0.08
Difference from SC	0.00	0.13	0.00	0.00	0.02	-0.06	-0.09
Rank in SC	38	22	29	30	29	62	67

(continued)

SOUTH CAROLINA (continued)

Greenville-Anderson, SC (2019 Employment: 450,274; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.81	2.05	0.04	1.86	0.58	0.17	0.11
Difference from SC	-0.59	-0.85	-0.08	0.56	0.09	-0.22	-0.09
Rank in SC	27	36	43	5	11	44	41
Change in Share	1.23	0.58	0.02	0.63	-0.03	0.03	0.00
Difference from SC	0.60	0.05	-0.03	0.49	0.09	-0.01	0.01
Rank in SC	7	16	40	1	4	19	11

Hilton Head Island-Bluffton, SC (2019 Employment: 98,768; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.26	1.29	0.05	0.48	0.23	0.14	0.08
Difference from SC	-1.66	-0.50	-0.02	-0.52	-0.21	-0.25	-0.17
Rank in SC	64	48	43	66	64	68	69
Change in Share	0.19	0.34	0.03	-0.02	-0.13	-0.03	0.00
Difference from SC	-0.14	0.13	-0.01	-0.14	-0.04	-0.08	0.00
Rank in SC	46	21	41	53	53	65	36

Spartanburg, SC (2019 Employment: 160,486; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.71	1.19	0.04	1.63	0.53	0.22	0.11
Difference from SC	-0.39	-0.70	-0.03	0.52	0.08	-0.17	-0.10
Rank in SC	31	50	53	8	13	47	53
Change in Share	0.75	0.22	0.03	0.46	-0.06	0.08	0.03
Difference from SC	0.39	-0.06	0.00	0.34	0.05	0.03	0.03
Rank in SC	13	28	29	3	18	15	12

Sumter, SC (2019 Employment: 55,242; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.78	1.01	0.02	0.98	0.44	0.19	0.14
Difference from SC	-0.83	-0.49	-0.04	-0.08	0.02	-0.15	-0.09
Rank in SC	83	88	99	48	37	84	81
Change in Share	0.28	0.19	0.01	0.13	-0.03	-0.02	0.00
Difference from SC	-0.13	-0.03	-0.02	-0.04	0.03	-0.07	0.00
Rank in SC	61	52	104	51	37	99	65

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SOUTH CAROLINA (continued)

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Myrtle Beach-Conway-North Myrtle Beach, SC-NC (2019 Employment: 187,198 of which 148,493 is in SC; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.43	0.82	0.01	0.27	0.20	0.09	0.04
Difference from SC	-2.68	-1.07	-0.06	-0.83	-0.25	-0.30	-0.17
Change in Share	-0.16	0.14	0.01	-0.16	-0.19	0.03	0.01
Difference from SC	-0.52	-0.14	-0.02	-0.27	-0.07	-0.02	0.01

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Augusta-Richmond County, GA-SC (2019 Employment: 267,432 of which 75,450 is in SC; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.25	1.77	0.03	3.59	0.82	0.89	0.15
Difference from SC	2.61	-0.51	-0.06	2.37	0.38	0.49	-0.05
Change in Share	0.84	-0.12	0.02	0.83	-0.13	0.32	-0.07
Difference from SC	0.37	-0.53	-0.02	0.75	-0.01	0.26	-0.08

Charlotte-Concord-Gastonia, NC-SC (2019 Employment: 1,348,523 of which 152,184 is in SC; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.64	2.10	0.05	1.36	0.56	0.49	0.09
Difference from SC	-1.79	-1.79	-0.11	0.04	0.13	0.05	-0.11
Change in Share	1.61	1.02	0.02	0.36	0.13	0.09	-0.02
Difference from SC	0.73	0.15	-0.05	0.33	0.28	0.03	-0.01

NONMETROPOLITAN AREA (2019 Employment: 265,760)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.87	0.81	0.02	1.24	0.46	0.20	0.14
Difference from Nation	0.08	-0.21	-0.02	0.41	0.10	-0.11	-0.07
Rank Among 47 States	19	43	47	6	6	38	41
Change in Share	0.35	0.09	0.01	0.24	-0.01	0.02	-0.01
Difference from Nation	0.18	-0.01	-0.01	0.15	0.07	-0.02	0.01
Rank Among 47 States	15	33	40	6	4	31	25

COUNTY NOT REPORTED (2019 Employment: 65,766)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.68	6.47	0.14	1.98	0.67	0.31	0.12
Difference from Nation	-2.66	-2.73	-0.17	0.42	0.16	-0.21	-0.14
Rank Among 50 States	30	30	36	8	7	42	47
Change in Share	3.38	2.53	-0.03	0.69	0.01	0.13	0.06
Difference from Nation	-2.17	-2.18	-0.25	0.32	0.09	-0.10	-0.05
Rank Among 50 States	33	34	48	9	20	32	37

SOUTH DAKOTA

2019 Employment: 498,583

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.74	1.85	0.05	0.80	0.32	0.50	0.22
Difference from Nation	-1.77	-1.26	-0.08	-0.42	-0.11	0.09	0.01
Rank Among 51 States	45	41	47	47	47	14	22
Change in Share	0.73	0.50	0.02	0.14	-0.05	0.10	0.03
Difference from Nation	-0.10	-0.25	-0.03	0.04	0.07	0.04	0.03
Rank Among 51 States	23	34	45	21	3	9	4

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Rapid City. SD (2019 Employment: 76,017; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.58	1.57	0.03	0.83	0.46	0.45	0.24
Difference from SC	-0.34	-0.21	-0.04	-0.16	0.02	0.06	-0.01
Rank in SC	34	36	60	35	25	23	23
Change in Share	0.53	0.40	0.02	0.13	-0.03	0.09	-0.08
Difference from SC	0.20	0.19	-0.01	0.00	0.06	0.03	-0.09
Rank in SC	21	15	42	27	18	17	66

Sioux Falls, SD (2019 Employment: 171,796; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.52	3.07	0.07	0.66	0.27	0.28	0.16
Difference from SC	0.41	1.18	0.00	-0.44	-0.17	-0.11	-0.05
Rank in SC	22	7	24	48	54	24	36
Change in Share	1.03	0.90	0.03	0.03	-0.09	0.09	0.07
Difference from SC	0.67	0.62	0.00	-0.09	0.02	0.04	0.07
Rank in SC	7	4	17	41	26	11	3

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Sioux City, IA-NE-SD (2019 Employment: 83,145 of which 10,935 is in SD; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.06	2.03	0.04	2.27	0.08	0.49	0.13
Difference from SC	1.14	0.25	-0.03	1.28	-0.36	0.11	-0.11
Change in Share	0.43	0.04	0.01	0.19	-0.24	0.31	0.13
Difference from SC	0.10	-0.17	-0.03	0.07	-0.16	0.26	0.12

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SOUTH DAKOTA (continued)

NONMETROPOLITAN AREA (2019 Employment: 237,469)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.16	1.03	0.04	0.82	0.33	0.68	0.26
Difference from Nation	0.37	0.02	0.00	-0.02	-0.04	0.36	0.05
Rank Among 47 States	13	17	18	24	29	5	13
Change in Share	0.51	0.16	0.02	0.20	-0.03	0.12	0.04
Difference from Nation	0.35	0.06	0.00	0.10	0.05	0.08	0.05
Rank Among 47 States	7	18	20	11	8	4	4

COUNTY NOT REPORTED (2019 Employment: 2,367)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.68	6.47	0.14	1.98	0.67	0.31	0.12
Difference from Nation	-2.66	-2.73	-0.17	0.42	0.16	-0.21	-0.14
Rank Among 50 States	30	30	36	8	7	42	47
Change in Share	3.38	2.53	-0.03	0.69	0.01	0.13	0.06
Difference from Nation	-2.17	-2.18	-0.25	0.32	0.09	-0.10	-0.05
Rank Among 50 States	33	34	48	9	20	32	37

TENNESSEE

2019 Employment: 3,406,279

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.91	2.04	0.08	0.88	0.44	0.27	0.20
Difference from Nation	-1.60	-1.07	-0.04	-0.34	0.01	-0.15	0.00
Rank Among 51 States	41	38	36	43	24	44	26
Change in Share	0.53	0.50	0.04	0.05	-0.08	0.02	0.00
Difference from Nation	-0.30	-0.24	-0.02	-0.04	0.04	-0.04	0.00
Rank Among 51 States	32	33	34	36	14	35	21

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Cleveland, TN (2019 Employment: 53,630; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.78	1.03	0.02	0.72	0.53	0.18	0.31
Difference from SC	-0.83	-0.47	-0.04	-0.33	0.11	-0.17	0.07
Rank in SC	84	84	100	78	22	90	24
Change in Share	0.40	0.18	0.02	0.07	0.04	0.01	0.08
Difference from SC	-0.01	-0.04	-0.01	-0.11	0.11	-0.03	0.08
Rank in SC	49	57	64	71	10	72	11

Jackson, TN (2019 Employment: 90,538; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.89	0.83	0.01	1.08	0.61	0.19	0.17
Difference from SC	-1.03	-0.96	-0.06	0.08	0.17	-0.19	-0.08
Rank in SC	50	68	70	24	10	55	40
Change in Share	0.38	0.09	0.01	0.18	0.03	0.04	0.03
Difference from SC	0.05	-0.11	-0.03	0.06	0.12	-0.02	0.03
Rank in SC	31	48	68	22	5	34	16

Johnson City, TN (2019 Employment: 87,422; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.25	1.54	0.05	0.81	0.37	0.29	0.19
Difference from SC	-0.67	-0.24	-0.02	-0.18	-0.07	-0.10	-0.06
Rank in SC	41	39	40	36	39	35	36
Change in Share	0.09	0.30	0.03	-0.06	-0.14	-0.01	-0.04
Difference from SC	-0.24	0.10	0.00	-0.18	-0.06	-0.06	-0.04
Rank in SC	52	23	31	60	57	60	57

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TENNESSEE (continued)

Knoxville, TN (2019 Employment: 428,154; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.73	2.23	0.05	1.16	0.65	0.43	0.20
Difference from SC	-0.68	-0.67	-0.07	-0.14	0.16	0.05	0.00
Rank in SC	28	33	40	28	5	12	21
Change in Share	0.57	0.59	0.01	0.07	-0.15	0.05	-0.01
Difference from SC	-0.06	0.06	-0.03	-0.07	-0.03	0.02	0.00
Rank in SC	20	15	42	31	36	10	28

Morristown, TN (2019 Employment: 55,569; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.51	0.72	0.06	0.84	0.49	0.17	0.22
Difference from SC	-1.10	-0.78	0.00	-0.22	0.07	-0.18	-0.01
Rank in SC	92	121	40	61	26	96	49
Change in Share	0.29	-0.01	0.03	0.07	0.05	0.03	0.12
Difference from SC	-0.12	-0.23	0.00	-0.11	0.12	-0.01	0.12
Rank in SC	58	107	40	70	8	62	7

Nashville-Davidson--Murfreesboro--Franklin, TN (2019 Employment: 1,107,055; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.47	2.73	0.14	0.79	0.35	0.29	0.19
Difference from SC	-1.96	-1.16	-0.02	-0.52	-0.08	-0.16	-0.02
Rank in SC	32	31	23	31	28	25	19
Change in Share	0.59	0.71	0.07	-0.05	-0.15	0.01	0.00
Difference from SC	-0.29	-0.16	0.00	-0.08	0.00	-0.05	0.00
Rank in SC	26	20	16	29	19	24	23

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Chattanooga, TN-GA (2019 Employment: 281,128 of which 242,678 is in TN; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.86	1.80	0.10	1.02	0.53	0.25	0.16
Difference from SC	-0.78	-0.48	0.01	-0.20	0.08	-0.15	-0.05
Change in Share	0.29	0.10	0.02	0.18	0.00	-0.01	0.00
Difference from SC	-0.18	-0.30	-0.01	0.10	0.12	-0.07	-0.01

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TENNESSEE (continued)

Clarksville, TN-KY (2019 Employment: 131,066 of which 66.874 is in TN; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.49	1.18	0.01	0.46	0.54	0.07	0.23
Difference from SC	-1.61	-0.70	-0.06	-0.65	0.09	-0.31	0.02
Change in Share	0.04	0.14	-0.02	-0.02	0.01	-0.03	-0.04
Difference from SC	-0.33	-0.14	-0.05	-0.14	0.12	-0.08	-0.04

Kingsport-Bristol, TN-VA (2019 Employment: 127,579 of which 89,936 is in TN; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.19	1.39	0.03	1.35	0.57	0.31	0.54
Difference from SC	0.09	-0.49	-0.04	0.24	0.13	-0.08	0.33
Change in Share	0.49	0.17	0.02	0.30	0.05	-0.02	-0.02
Difference from SC	0.13	-0.11	-0.01	0.19	0.16	-0.07	-0.02

Memphis, TN-MS-AR (2019 Employment: 701,663 of which 586,628 is in TN; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.58	1.96	0.07	0.72	0.35	0.23	0.25
Difference from SC	-1.82	-0.93	-0.06	-0.58	-0.14	-0.16	0.04
Change in Share	0.36	0.24	0.03	0.11	-0.06	0.01	0.02
Difference from SC	-0.27	-0.29	-0.02	-0.03	0.06	-0.02	0.03

NONMETROPOLITAN AREA (2019 Employment: 540,032)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.53	0.85	0.03	0.89	0.46	0.16	0.14
Difference from Nation	-0.26	-0.16	-0.01	0.05	0.09	-0.16	-0.07
Rank Among 47 States	32	36	34	18	7	44	40
Change in Share	0.13	0.12	0.02	0.05	-0.03	-0.02	-0.01
Difference from Nation	-0.04	0.02	0.00	-0.05	0.05	-0.05	0.00
Rank Among 47 States	29	26	26	31	7	44	26

COUNTY NOT REPORTED (2019 Employment: 57,764)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.74	7.20	0.17	1.21	0.51	0.38	0.27
Difference from Nation	-2.61	-2.00	-0.13	-0.34	0.00	-0.15	0.02
Rank Among 50 States	29	28	31	34	24	35	16
Change in Share	5.17	4.24	0.14	0.45	-0.05	0.23	0.16
Difference from Nation	-0.38	-0.47	-0.08	0.08	0.03	0.00	0.06
Rank Among 50 States	21	21	29	17	22	22	11

TEXAS

2019 Employment: 14,199,725

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.49	3.03	0.11	1.26	0.54	0.32	0.24
Difference from Nation	-0.02	-0.08	-0.01	0.04	0.10	-0.10	0.03
Rank Among 51 States	19	20	23	21	8	35	19
Change in Share	0.73	0.74	0.05	0.08	-0.15	0.00	0.00
Difference from Nation	-0.10	-0.01	0.00	-0.01	-0.02	-0.06	0.00
Rank Among 51 States	24	15	21	31	37	44	22

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Abilene, TX (2019 Employment: 84,423; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.68	1.19	0.06	0.51	0.58	0.14	0.19
Difference from SC	-1.24	-0.59	-0.01	-0.48	0.14	-0.25	-0.05
Rank in SC	55	52	37	64	13	69	34
Change in Share	0.40	0.14	0.04	0.04	0.15	0.00	0.02
Difference from SC	0.07	-0.07	0.01	-0.08	0.24	-0.05	0.02
Rank in SC	30	39	18	41	1	56	24

Amarillo, TX (2019 Employment: 130,881; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.67	1.21	0.05	0.60	0.40	0.25	0.15
Difference from SC	-1.44	-0.67	-0.02	-0.50	-0.05	-0.14	-0.06
Rank in SC	54	49	42	49	35	34	39
Change in Share	0.10	0.05	0.02	0.11	-0.05	0.01	-0.04
Difference from SC	-0.26	-0.23	-0.01	0.00	0.07	-0.04	-0.04
Rank in SC	47	53	47	27	13	42	53

Austin-Round Rock-Georgetown, TX (2019 Employment: 1,175,261; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.00	5.85	0.19	1.67	0.64	0.46	0.19
Difference from SC	2.56	1.97	0.03	0.36	0.21	0.01	-0.01
Rank in SC	5	5	10	9	5	13	17
Change in Share	1.09	1.44	0.07	-0.09	-0.27	-0.02	-0.04
Difference from SC	0.21	0.56	0.00	-0.12	-0.12	-0.07	-0.04
Rank in SC	14	4	15	32	34	34	35

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TEXAS (continued)

Beaumont-Port Arthur, TX (2019 Employment: 175,564; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.39	1.01	0.05	1.58	0.84	0.40	0.51
Difference from SC	0.29	-0.88	-0.02	0.47	0.40	0.02	0.30
Rank in SC	25	58	43	11	3	16	3
Change in Share	0.53	-0.05	0.03	0.38	0.05	0.04	0.08
Difference from SC	0.17	-0.33	0.00	0.26	0.16	-0.01	0.08
Rank in SC	19	59	34	6	1	25	2

Brownsville-Harlingen, TX (2019 Employment: 159,825; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.55	0.76	0.03	0.30	0.22	0.15	0.10
Difference from SC	-2.56	-1.13	-0.05	-0.81	-0.22	-0.24	-0.11
Rank in SC	62	62	60	62	60	59	57
Change in Share	-0.08	0.03	0.01	-0.02	-0.10	0.01	-0.01
Difference from SC	-0.45	-0.25	-0.02	-0.14	0.01	-0.04	-0.01
Rank in SC	53	55	55	46	29	46	38

College Station-Bryan, TX (2019 Employment: 133,997; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.26	2.52	0.09	1.51	0.88	1.70	0.56
Difference from SC	3.15	0.63	0.02	0.40	0.43	1.32	0.35
Rank in SC	4	12	16	14	2	1	2
Change in Share	0.15	0.25	0.02	0.23	-0.09	-0.20	-0.08
Difference from SC	-0.22	-0.03	0.00	0.11	0.03	-0.25	-0.08
Rank in SC	43	24	35	15	25	60	60

Corpus Christi, TX (2019 Employment: 206,681; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.56	1.17	0.05	1.11	0.65	0.28	0.30
Difference from SC	-1.08	-1.11	-0.04	-0.11	0.21	-0.12	0.10
Rank in SC	27	40	35	17	6	28	6
Change in Share	0.16	0.03	0.02	0.17	0.00	-0.01	-0.04
Difference from SC	-0.31	-0.38	-0.02	0.08	0.12	-0.07	-0.04
Rank in SC	32	41	35	16	2	41	41

(continued)

TEXAS (continued)

Dallas-Fort Worth-Arlington, TX (2019 Employment: 4,006,382; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.27	4.08	0.15	1.16	0.50	0.20	0.17
Difference from SC	-0.17	0.20	-0.01	-0.15	0.07	-0.25	-0.03
Rank in SC	16	12	19	22	12	33	21
Change in Share	0.72	0.94	0.07	-0.09	-0.21	0.00	0.00
Difference from SC	-0.16	0.07	0.00	-0.12	-0.06	-0.06	0.01
Rank in SC	24	13	18	31	31	28	17

El Paso, TX (2019 Employment: 376,568; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.68	1.43	0.06	0.60	0.30	0.20	0.11
Difference from SC	-2.72	-1.47	-0.06	-0.70	-0.19	-0.19	-0.10
Rank in SC	44	42	36	44	44	41	44
Change in Share	0.04	0.16	0.02	-0.02	-0.10	-0.01	-0.01
Difference from SC	-0.59	-0.37	-0.03	-0.16	0.02	-0.05	0.00
Rank in SC	38	37	31	38	18	36	29

Houston-The Woodlands-Sugar Land, TX (2019 Employment: 3,411,114; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.03	2.60	0.10	1.85	0.68	0.43	0.36
Difference from SC	-0.41	-1.28	-0.06	0.54	0.25	-0.02	0.16
Rank in SC	18	32	31	5	3	15	1
Change in Share	0.28	0.29	0.04	0.15	-0.18	-0.02	0.01
Difference from SC	-0.60	-0.58	-0.03	0.12	-0.03	-0.08	0.01
Rank in SC	33	35	31	10	27	35	13

Killeen-Temple, TX (2019 Employment: 188,747; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.45	2.00	0.10	0.60	0.36	0.27	0.13
Difference from SC	-0.65	0.11	0.03	-0.51	-0.09	-0.12	-0.08
Rank in SC	36	23	13	50	40	27	49
Change in Share	-0.39	0.10	0.05	-0.23	-0.23	-0.05	-0.03
Difference from SC	-0.75	-0.18	0.02	-0.35	-0.12	-0.10	-0.03
Rank in SC	59	46	11	58	55	57	46

(continued)

TEXAS (continued)

Laredo, TX (2019 Employment: 116,964; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.84	0.90	0.04	0.37	0.21	0.21	0.12
Difference from SC	-2.08	-0.89	-0.04	-0.63	-0.22	-0.17	-0.12
Rank in SC	70	65	56	69	67	51	62
Change in Share	0.11	0.09	0.02	0.04	-0.04	0.02	-0.02
Difference from SC	-0.22	-0.12	-0.02	-0.08	0.05	-0.03	-0.02
Rank in SC	51	49	54	44	22	41	46

Longview, TX (2019 Employment: 134,062; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.04	1.06	0.05	0.96	0.51	0.22	0.24
Difference from SC	-1.07	-0.82	-0.02	-0.15	0.06	-0.17	0.03
Rank in SC	48	56	46	33	16	48	20
Change in Share	0.15	0.04	0.03	0.08	-0.07	0.04	0.03
Difference from SC	-0.21	-0.24	0.00	-0.03	0.04	-0.01	0.03
Rank in SC	42	54	30	34	22	29	9

Lubbock, TX (2019 Employment: 163,727; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.13	1.70	0.06	0.56	0.29	0.27	0.26
Difference from SC	-0.97	-0.19	-0.02	-0.55	-0.16	-0.12	0.05
Rank in SC	43	31	38	54	48	25	13
Change in Share	0.07	0.00	0.02	0.07	-0.06	0.05	-0.02
Difference from SC	-0.30	-0.28	-0.01	-0.05	0.05	0.00	-0.02
Rank in SC	48	58	36	35	19	21	40

McAllen-Edinburg-Mission, TX (2019 Employment: 307,087; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.52	0.72	0.03	0.34	0.19	0.14	0.09
Difference from SC	-3.12	-1.56	-0.05	-0.87	-0.25	-0.26	-0.12
Rank in SC	46	46	45	46	45	44	44
Change in Share	0.07	0.08	0.02	0.03	-0.07	0.01	0.00
Difference from SC	-0.41	-0.33	-0.02	-0.06	0.05	-0.05	-0.01
Rank in SC	35	38	37	28	11	30	30

(continued)

TEXAS (continued)

Midland, TX (2019 Employment: 120,895; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.89	1.71	0.08	2.92	0.88	0.69	0.62
Difference from SC	2.97	-0.08	0.00	1.92	0.44	0.31	0.38
Rank in SC	5	28	23	2	4	8	4
Change in Share	1.76	0.19	0.05	1.36	-0.14	0.10	0.20
Difference from SC	1.43	-0.02	0.02	1.24	-0.05	0.05	0.19
Rank in SC	2	35	9	1	55	13	1

Odessa, TX (2019 Employment: 88,686; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.08	0.84	0.04	0.98	0.55	0.23	0.44
Difference from SC	-0.84	-0.94	-0.04	-0.01	0.11	-0.15	0.19
Rank in SC	46	66	57	27	15	44	7
Change in Share	0.41	-0.06	0.02	0.27	0.01	0.00	0.17
Difference from SC	0.08	-0.26	-0.01	0.14	0.10	-0.05	0.16
Rank in SC	28	59	46	18	9	54	2

San Angelo, TX (2019 Employment: 58,955; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.01	1.37	0.06	0.63	0.32	0.36	0.27
Difference from SC	-0.61	-0.13	0.00	-0.42	-0.10	0.01	0.03
Rank in SC	66	46	46	89	77	43	38
Change in Share	0.01	-0.14	0.02	0.12	-0.01	-0.01	0.02
Difference from SC	-0.40	-0.36	-0.01	-0.06	0.06	-0.05	0.02
Rank in SC	91	117	51	55	27	87	45

San Antonio-New Braunfels, TX (2019 Employment: 1,182,635; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.46	2.50	0.13	0.93	0.50	0.25	0.16
Difference from SC	-1.97	-1.39	-0.03	-0.39	0.07	-0.20	-0.04
Rank in SC	33	33	26	30	14	28	26
Change in Share	0.37	0.42	0.06	0.09	-0.09	-0.06	-0.03
Difference from SC	-0.51	-0.45	-0.01	0.05	0.06	-0.12	-0.03
Rank in SC	31	31	26	15	5	36	33

(continued)

TEXAS (continued)

Sherman-Denison, TX (2019 Employment: 54,557; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.81	1.17	0.04	0.71	0.58	0.09	0.22
Difference from SC	-0.80	-0.33	-0.02	-0.35	0.16	-0.26	-0.01
Rank in SC	80	68	63	81	17	117	50
Change in Share	-0.32	-0.06	0.00	-0.14	-0.20	0.01	0.07
Difference from SC	-0.73	-0.28	-0.03	-0.32	-0.13	-0.03	0.06
Rank in SC	113	109	112	117	115	73	16

Tyler, TX (2019 Employment: 117,419; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.63	1.02	0.05	0.65	0.44	0.31	0.16
Difference from SC	-1.29	-0.76	-0.03	-0.34	0.00	-0.08	-0.08
Rank in SC	56	58	45	51	28	32	42
Change in Share	-0.03	0.06	0.03	-0.07	-0.16	0.09	0.01
Difference from SC	-0.36	-0.14	0.00	-0.20	-0.07	0.04	0.01
Rank in SC	61	53	33	63	63	15	31

Victoria, TX (2019 Employment: 45,104; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.57	0.90	0.01	0.79	0.38	0.27	0.23
Difference from SC	-1.04	-0.60	-0.05	-0.27	-0.04	-0.08	0.00
Rank in SC	89	109	119	64	57	66	43
Change in Share	0.55	0.12	0.01	0.29	0.02	0.10	0.02
Difference from SC	0.14	-0.10	-0.02	0.11	0.08	0.05	0.02
Rank in SC	36	75	106	21	14	24	40

Waco, TX (2019 Employment: 134,224; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.44	1.59	0.08	0.97	0.43	0.23	0.14
Difference from SC	-0.67	-0.30	0.01	-0.14	-0.02	-0.15	-0.07
Rank in SC	37	34	20	31	30	42	45
Change in Share	-0.29	0.05	0.03	-0.14	-0.15	-0.04	-0.04
Difference from SC	-0.65	-0.23	0.00	-0.25	-0.03	-0.09	-0.04
Rank in SC	57	52	19	56	43	55	56

(continued)

TEXAS (continued)

Wichita Falls, TX (2019 Employment: 69,763; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.56	1.54	0.07	1.17	0.40	0.24	0.14
Difference from SC	-0.05	0.04	0.01	0.12	-0.02	-0.11	-0.09
Rank in SC	42	38	28	29	47	76	85
Change in Share	-0.08	0.35	0.03	-0.14	-0.25	-0.03	-0.04
Difference from SC	-0.49	0.12	0.00	-0.31	-0.18	-0.08	-0.04
Rank in SC	99	33	32	116	118	104	99

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Texarkana, TX-AR (2019 Employment: 64,610 of which 45,848 is in TX; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.72	0.97	0.02	0.29	0.29	0.10	0.05
Difference from SC	-1.89	-0.53	-0.04	-0.77	-0.13	-0.25	-0.18
Change in Share	-0.32	0.03	0.00	-0.03	-0.13	-0.08	-0.10
Difference from SC	-0.73	-0.20	-0.03	-0.21	-0.07	-0.12	-0.10

NONMETROPOLITAN AREA (2019 Employment: 1,202,881)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.49	0.84	0.04	0.74	0.40	0.27	0.20
Difference from Nation	-0.30	-0.18	0.00	-0.10	0.04	-0.04	-0.01
Rank Among 47 States	33	39	23	29	16	29	17
Change in Share	0.29	0.11	0.02	0.16	-0.06	0.03	0.03
Difference from Nation	0.13	0.01	0.00	0.07	0.02	-0.01	0.04
Rank Among 47 States	18	30	23	15	23	29	7

COUNTY NOT REPORTED (2019 Employment: 307,474)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	13.83	10.35	0.31	1.74	0.65	0.46	0.31
Difference from Nation	1.48	1.16	0.01	0.18	0.14	-0.07	0.06
Rank Among 50 States	10	11	12	12	9	23	10
Change in Share	5.79	5.12	0.22	0.31	-0.05	0.11	0.07
Difference from Nation	0.24	0.41	0.00	-0.06	0.03	-0.12	-0.03
Rank Among 50 States	14	11	12	26	21	33	32

UTAH

2019 Employment: 1,693,190

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.46	3.82	0.15	1.22	0.59	0.41	0.27
Difference from Nation	0.95	0.71	0.03	0.00	0.15	0.00	0.06
Rank Among 51 States	8	7	9	23	3	22	10
Change in Share	1.08	1.03	0.07	0.09	-0.11	0.05	-0.04
Difference from Nation	0.25	0.28	0.01	-0.01	0.02	-0.01	-0.04
Rank Among 51 States	9	4	13	28	26	25	45

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Ogden-Clearfield, UT (2019 Employment: 292,322; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.88	2.72	0.08	1.90	0.83	0.23	0.12
Difference from SC	1.25	0.44	0.00	0.69	0.38	-0.17	-0.09
Rank in SC	9	11	17	7	3	35	36
Change in Share	0.36	0.68	0.03	-0.03	-0.17	-0.08	-0.07
Difference from SC	-0.11	0.28	-0.01	-0.11	-0.05	-0.14	-0.08
Rank in SC	20	10	25	38	36	46	44

Provo-Orem, UT (2019 Employment: 295,581; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.85	5.04	0.08	0.84	0.36	0.37	0.17
Difference from SC	2.22	2.76	-0.01	-0.38	-0.08	-0.03	-0.04
Rank in SC	7	3	21	26	25	17	27
Change in Share	1.47	1.28	0.04	0.16	-0.02	0.05	-0.03
Difference from SC	1.00	0.88	0.00	0.07	0.10	-0.01	-0.04
Rank in SC	3	1	14	17	4	19	39

St. George, UT (2019 Employment: 76,564; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.72	1.50	0.03	0.54	0.34	0.18	0.13
Difference from SC	-1.20	-0.29	-0.05	-0.45	-0.09	-0.21	-0.12
Rank in SC	53	41	63	62	42	60	59
Change in Share	0.53	0.57	0.03	0.02	-0.08	0.04	-0.05
Difference from SC	0.20	0.37	-0.01	-0.10	0.01	-0.01	-0.05
Rank in SC	20	8	38	47	31	33	63

(continued)

UTAH (continued)

Salt Lake City, UT (2019 Employment: 816,434; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.46	4.53	0.24	1.23	0.63	0.50	0.33
Difference from SC	2.06	1.63	0.12	-0.07	0.14	0.11	0.13
Rank in SC	4	5	4	26	8	9	5
Change in Share	1.44	1.22	0.11	0.11	-0.12	0.10	0.02
Difference from SC	0.81	0.69	0.06	-0.04	0.00	0.06	0.03
Rank in SC	5	3	4	26	23	6	5

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Logan, UT-ID (2019 Employment: 67,606 of which 63,295 is in UT; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.14	3.08	0.06	1.46	0.69	0.51	0.34
Difference from SC	2.53	1.59	0.00	0.40	0.27	0.17	0.11
Change in Share	0.83	0.42	0.01	0.33	0.01	0.10	-0.04
Difference from SC	0.42	0.20	-0.02	0.15	0.08	0.06	-0.04

NONMETROPOLITAN AREA (2019 Employment: 148,742)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.44	1.15	0.05	0.92	0.44	0.44	0.43
Difference from Nation	0.65	0.13	0.01	0.08	0.08	0.13	0.22
Rank Among 47 States	10	11	10	14	9	13	9
Change in Share	0.18	0.27	0.02	0.20	-0.05	0.04	-0.30
Difference from Nation	0.02	0.17	0.01	0.10	0.03	0.00	-0.29
Rank Among 47 States	24	9	8	10	19	22	47

COUNTY NOT REPORTED (2019 Employment: 251)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.30	5.30	0.00	0.00	0.00	0.00	0.00
Difference from Nation	-7.05	-3.90	-0.30	-1.56	-0.51	-0.53	-0.25
Rank Among 50 States	47	41	48	49	49	50	49
Change in Share							
Difference from Nation							
Rank Among 50 States							

Note: Utah had no employment in “county not reported” in 2005.

VERMONT

2019 Employment: 362,237

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.79	2.40	0.09	1.18	0.52	0.40	0.19
Difference from Nation	-0.72	-0.71	-0.03	-0.04	0.08	-0.01	-0.02
Rank Among 51 States	30	31	32	27	12	23	32
Change in Share	0.57	0.63	0.04	-0.04	-0.16	0.09	0.01
Difference from Nation	-0.26	-0.11	-0.01	-0.13	-0.04	0.03	0.01
Rank Among 51 States	31	20	29	47	41	13	15

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Burlington-South Burlington, VT (2019 Employment: 139,678; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.56	3.43	0.10	1.61	0.69	0.49	0.24
Difference from SC	2.45	1.55	0.03	0.51	0.24	0.10	0.03
Rank in SC	7	4	14	9	10	13	21
Change in Share	0.58	0.77	0.05	-0.13	-0.25	0.12	0.02
Difference from SC	0.22	0.49	0.02	-0.25	-0.13	0.07	0.02
Rank in SC	18	5	10	55	57	7	18

NONMETROPOLITAN AREA (2019 Employment: 213,469)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.64	1.68	0.09	0.93	0.42	0.36	0.17
Difference from Nation	0.85	0.66	0.05	0.09	0.06	0.04	-0.04
Rank Among 47 States	7	4	4	13	11	20	31
Change in Share	0.43	0.46	0.04	-0.01	-0.12	0.06	0.00
Difference from Nation	0.27	0.36	0.03	-0.11	-0.04	0.02	0.01
Rank Among 47 States	11	2	4	43	43	16	20

COUNTY NOT REPORTED (2019 Employment: 9,090)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.48	3.37	0.08	0.60	0.14	0.20	0.09
Difference from Nation	-7.86	-5.82	-0.23	-0.96	-0.37	-0.33	-0.16
Rank Among 50 States	49	46	41	48	48	47	48
Change in Share	0.23	0.27	0.04	-0.02	-0.15	0.06	0.03
Difference from Nation	-5.32	-4.43	-0.18	-0.39	-0.07	-0.17	-0.07
Rank Among 50 States	48	48	39	40	39	41	39

VIRGINIA

2019 Employment: 4,453,981

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.93	5.22	0.28	1.35	0.53	0.38	0.18
Difference from Nation	2.42	2.11	0.16	0.13	0.09	-0.04	-0.03
Rank Among 51 States	4	2	3	16	11	26	41
Change in Share	1.21	1.30	0.12	0.02	-0.20	0.00	-0.02
Difference from Nation	0.38	0.56	0.06	-0.08	-0.08	-0.06	-0.02
Rank Among 51 States	4	3	2	40	50	45	39

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Blacksburg-Christiansburg, VA (2019 Employment: 72,096; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.51	2.25	0.08	1.72	0.74	0.45	0.27
Difference from SC	1.90	0.75	0.02	0.66	0.32	0.10	0.04
Rank in SC	12	17	25	14	8	27	35
Change in Share	0.56	0.37	0.04	0.29	-0.12	0.00	-0.02
Difference from SC	0.15	0.15	0.00	0.12	-0.05	-0.05	-0.02
Rank in SC	34	27	31	20	93	83	82

Charlottesville, VA (2019 Employment: 128,568; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.40	3.43	0.12	0.99	0.48	0.93	0.44
Difference from SC	2.29	1.54	0.05	-0.12	0.04	0.54	0.23
Rank in SC	8	5	7	30	21	5	4
Change in Share	1.16	0.91	0.03	-0.03	-0.24	0.36	0.12
Difference from SC	0.80	0.63	0.00	-0.14	-0.13	0.31	0.12
Rank in SC	4	3	32	47	56	1	1

Harrisonburg, VA (2019 Employment: 72,141; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.34	1.55	0.03	0.59	0.32	0.52	0.33
Difference from SC	-0.27	0.05	-0.03	-0.47	-0.09	0.17	0.10
Rank in SC	49	36	74	98	76	17	21
Change in Share	0.46	0.30	0.01	0.09	-0.07	0.13	0.01
Difference from SC	0.05	0.08	-0.02	-0.09	0.00	0.08	0.00
Rank in SC	44	37	69	62	67	18	61

(continued)

VIRGINIA (continued)

Lynchburg, VA (2019 Employment: 121,243; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.58	2.24	0.08	1.25	0.51	0.23	0.26
Difference from SC	0.66	0.45	0.01	0.26	0.08	-0.15	0.01
Rank in SC	18	15	22	15	17	41	21
Change in Share	0.94	0.59	0.02	0.32	-0.02	0.01	0.03
Difference from SC	0.61	0.38	-0.02	0.20	0.07	-0.04	0.03
Rank in SC	6	6	56	13	15	51	18

Richmond, VA (2019 Employment: 710,338; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.42	3.20	0.28	0.93	0.37	0.39	0.25
Difference from SC	0.02	0.30	0.16	-0.37	-0.12	0.00	0.05
Rank in SC	19	15	3	37	37	14	9
Change in Share	0.61	0.55	0.12	0.05	-0.13	0.02	-0.01
Difference from SC	-0.02	0.02	0.08	-0.09	-0.01	-0.02	0.00
Rank in SC	17	18	2	34	29	24	24

Roanoke, VA (2019 Employment: 166,199; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.52	1.85	0.07	0.86	0.37	0.23	0.14
Difference from SC	-0.58	-0.04	0.00	-0.24	-0.08	-0.15	-0.07
Rank in SC	35	25	26	38	37	41	47
Change in Share	0.20	0.18	0.03	0.09	-0.08	-0.01	0.00
Difference from SC	-0.16	-0.10	0.00	-0.03	0.03	-0.06	0.00
Rank in SC	38	34	21	32	24	51	32

Staunton, VA (2019 Employment: 54,046; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.79	1.20	0.05	0.88	0.38	0.14	0.14
Difference from SC	-0.82	-0.30	-0.01	-0.18	-0.04	-0.21	-0.09
Rank in SC	81	63	55	55	55	105	82
Change in Share	0.29	0.22	0.02	0.14	-0.04	-0.04	0.00
Difference from SC	-0.11	-0.01	-0.01	-0.03	0.02	-0.08	-0.01
Rank in SC	57	47	60	49	44	106	70

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VIRGINIA (continued)

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Virginia Beach-Norfolk-Newport News, VA-NC (2019 Employment: 905,415 of which 893,276 is in VA; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.79	2.61	0.10	1.63	0.92	0.34	0.18
Difference from SC	0.39	-0.28	-0.02	0.33	0.43	-0.05	-0.02
Change in Share	0.52	0.32	0.05	0.30	-0.14	0.02	-0.03
Difference from SC	-0.11	-0.21	-0.01	0.16	-0.02	-0.02	-0.02

Winchester, VA-WV (2019 Employment: 68,843 of which 64,237 is in VA; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.74	1.90	0.06	0.91	0.37	0.31	0.19
Difference from SC	0.13	0.40	-0.01	-0.15	-0.04	-0.03	-0.04
Change in Share	0.67	0.76	0.05	-0.08	-0.28	0.16	0.05
Difference from SC	0.26	0.54	0.02	-0.26	-0.21	0.12	0.05

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Kingsport-Bristol, TN-VA (2019 Employment: 127,579 of which 37,643 is in VA; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.86	2.23	0.12	0.93	0.16	0.38	0.05
Difference from SC	-0.25	0.34	0.05	-0.18	-0.28	0.00	-0.16
Change in Share	0.43	0.45	0.06	-0.02	-0.24	0.18	-0.01
Difference from SC	0.07	0.17	0.03	-0.14	-0.12	0.13	-0.01

Washington-Arlington-Alexandria, DC-VA-MD-WV (2019 Employment: 3,545,622 of which 1,610,674 is in VA; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	11.85	8.90	0.49	1.52	0.44	0.38	0.11
Difference from SC	5.41	5.02	0.33	0.21	0.01	-0.06	-0.09
Change in Share	1.12	1.71	0.18	-0.28	-0.34	-0.09	-0.05
Difference from SC	0.25	0.84	0.11	-0.32	-0.19	-0.15	-0.05

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VIRGINIA (continued)

NONMETROPOLITAN AREA (2019 Employment: 385,298)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.09	1.73	0.15	1.27	0.40	0.33	0.21
Difference from Nation	1.31	0.72	0.11	0.43	0.04	0.02	0.00
Rank Among 47 States	5	3	1	5	19	22	16
Change in Share	0.71	0.43	0.07	0.22	-0.06	0.06	-0.01
Difference from Nation	0.55	0.33	0.06	0.12	0.02	0.02	0.01
Rank Among 47 States	3	4	1	8	22	17	24

COUNTY NOT REPORTED (2019 Employment: 138,222)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	18.10	14.87	0.50	1.64	0.63	0.31	0.16
Difference from Nation	5.76	5.67	0.20	0.09	0.12	-0.22	-0.10
Rank Among 50 States	2	2	4	15	10	43	44
Change in Share	7.67	7.84	0.34	-0.08	-0.23	-0.14	-0.06
Difference from Nation	2.12	3.14	0.12	-0.45	-0.15	-0.37	-0.17
Rank Among 50 States	5	1	5	44	42	47	47

WASHINGTON

2019 Employment: 3,900,114

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	8.00	4.94	0.15	1.59	0.47	0.62	0.23
Difference from Nation	2.49	1.83	0.03	0.37	0.03	0.21	0.02
Rank Among 51 States	3	3	8	7	20	10	20
Change in Share	1.60	1.66	0.08	0.03	-0.20	0.06	-0.02
Difference from Nation	0.77	0.92	0.02	-0.07	-0.08	0.00	-0.02
Rank Among 51 States	1	1	8	39	48	20	38

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Bellingham, WA (2019 Employment: 105,755; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.60	1.63	0.05	0.91	0.40	0.38	0.23
Difference from SC	-0.32	-0.15	-0.03	-0.09	-0.04	0.00	-0.01
Rank in SC	33	32	46	30	34	28	25
Change in Share	0.43	0.36	0.02	0.08	-0.13	0.07	0.03
Difference from SC	0.10	0.16	-0.01	-0.05	-0.04	0.02	0.02
Rank in SC	26	19	49	36	52	20	20

Bremerton-Silverdale-Port Orchard, WA (2019 Employment: 114,543; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.36	2.18	0.11	2.32	1.74	0.70	0.30
Difference from SC	3.44	0.40	0.04	1.33	1.30	0.32	0.05
Rank in SC	3	17	12	4	1	7	14
Change in Share	-0.17	-0.21	0.04	0.40	-0.25	0.00	-0.16
Difference from SC	-0.50	-0.41	0.01	0.27	-0.16	-0.05	-0.17
Rank in SC	63	68	13	7	68	53	69

Kennewick-Richland, WA (2019 Employment: 139,163; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.34	1.57	0.07	2.58	0.78	1.47	0.86
Difference from SC	3.23	-0.32	0.00	1.48	0.33	1.08	0.65
Rank in SC	3	36	21	2	5	3	1
Change in Share	-1.79	0.08	0.02	-0.72	-0.63	-0.30	-0.25
Difference from SC	-2.15	-0.20	-0.01	-0.83	-0.52	-0.35	-0.25
Rank in SC	62	49	44	62	62	62	62

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WASHINGTON (continued)

Longview, WA (2019 Employment: 43,552; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.96	1.04	0.01	1.04	0.31	0.37	0.19
Difference from SC	-0.65	-0.46	-0.05	-0.01	-0.10	0.02	-0.04
Rank in SC	68	83	118	41	80	40	58
Change in Share	0.68	0.40	0.01	0.28	-0.07	0.05	0.01
Difference from SC	0.27	0.18	-0.03	0.11	0.00	0.00	0.01
Rank in SC	26	25	107	24	62	53	53

Mount Vernon-Anacortes, WA (2019 Employment: 59,109; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.86	1.36	0.09	1.21	0.43	0.46	0.31
Difference from SC	0.25	-0.13	0.03	0.16	0.02	0.11	0.07
Rank in SC	32	47	21	25	39	26	25
Change in Share	0.86	0.46	0.05	0.30	-0.14	0.14	0.06
Difference from SC	0.46	0.23	0.02	0.12	-0.07	0.09	0.05
Rank in SC	19	19	16	19	102	14	19

Olympia-Lacey-Tumwater, WA (2019 Employment: 130,671; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.21	4.32	0.15	0.97	0.41	1.11	0.25
Difference from SC	3.10	2.44	0.08	-0.14	-0.04	0.73	0.04
Rank in SC	5	2	4	32	33	4	17
Change in Share	1.10	1.16	0.00	0.05	-0.14	0.09	-0.05
Difference from SC	0.74	0.88	-0.03	-0.07	-0.03	0.04	-0.05
Rank in SC	5	2	60	37	42	12	57

Seattle-Tacoma-Bellevue, WA (2019 Employment: 2,306,347; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	10.34	6.96	0.21	1.84	0.49	0.65	0.19
Difference from SC	3.90	3.08	0.05	0.52	0.06	0.20	-0.01
Rank in SC	2	2	6	6	15	7	18
Change in Share	2.28	2.39	0.11	-0.06	-0.24	0.08	-0.01
Difference from SC	1.41	1.52	0.04	-0.09	-0.08	0.02	0.00
Rank in SC	3	3	4	30	32	8	24

(continued)

WASHINGTON (continued)

Spokane-Spokane Valley, WA (2019 Employment: 273,628; 46 Metro Areas in Size Class 3)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.89	2.21	0.06	0.73	0.28	0.33	0.27
Difference from SC	-0.74	-0.07	-0.03	-0.49	-0.16	-0.07	0.06
Rank in SC	22	16	29	33	37	21	8
Change in Share	0.36	0.37	0.02	0.00	-0.11	0.04	0.03
Difference from SC	-0.11	-0.03	-0.02	-0.08	0.01	-0.02	0.02
Rank in SC	21	17	33	34	24	22	11

Walla Walla, WA (2019 Employment: 32,782; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.14	1.34	0.05	1.46	0.40	0.55	0.34
Difference from SC	0.53	-0.16	-0.01	0.40	-0.02	0.21	0.11
Rank in SC	29	50	59	18	52	16	18
Change in Share	0.99	0.42	0.03	0.45	-0.05	0.16	-0.01
Difference from SC	0.58	0.19	0.00	0.27	0.02	0.11	-0.02
Rank in SC	12	24	39	12	49	9	78

Wenatchee, WA (2019 Employment: 62,786; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.61	0.97	0.02	0.67	0.24	0.50	0.21
Difference from SC	-1.00	-0.53	-0.04	-0.38	-0.18	0.15	-0.02
Rank in SC	88	94	91	85	102	20	52
Change in Share	0.40	0.22	0.01	0.17	-0.01	0.08	-0.07
Difference from SC	-0.01	-0.01	-0.02	0.00	0.06	0.04	-0.08
Rank in SC	48	48	74	43	25	33	106

Yakima, WA (2019 Employment: 126,473; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.87	0.77	0.03	0.46	0.14	0.26	0.20
Difference from SC	-2.24	-1.12	-0.04	-0.64	-0.31	-0.12	-0.01
Rank in SC	60	61	57	59	62	28	24
Change in Share	0.15	0.13	0.02	0.03	-0.05	0.01	0.02
Difference from SC	-0.21	-0.16	-0.01	-0.08	0.06	-0.04	0.02
Rank in SC	41	43	51	40	15	43	16

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WASHINGTON (continued)

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Lewiston, ID-WA (2019 Employment: 30,000 of which 7,312 is in WA; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.11	0.70	0.00	0.98	0.04	0.38	0.00
Difference from SC	-1.50	-0.79	-0.06	-0.08	-0.38	0.03	-0.23
Change in Share	0.08	-0.03	0.00	0.00	-0.07	0.18	0.00
Difference from SC	-0.32	-0.25	-0.03	-0.18	0.00	0.14	-0.01

Portland-Vancouver-Hillsboro, OR-WA (2019 Employment: 1,362,152 of which 191,041 is in WA; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.45	2.60	0.07	2.07	0.18	0.45	0.08
Difference from SC	-0.99	-1.29	-0.09	0.75	-0.24	0.00	-0.12
Change in Share	0.49	0.62	0.03	0.10	-0.15	-0.05	-0.06
Difference from SC	-0.39	-0.25	-0.04	0.07	0.01	-0.11	-0.06

NONMETROPOLITAN AREA (2019 Employment: 288,041)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.16	0.96	0.02	0.44	0.07	0.47	0.19
Difference from Nation	-0.63	-0.06	-0.02	-0.39	-0.29	0.16	-0.02
Rank Among 47 States	42	27	45	46	47	12	22
Change in Share	-0.49	-0.02	-0.01	-0.07	-0.23	-0.01	-0.14
Difference from Nation	-0.65	-0.12	-0.02	-0.17	-0.15	-0.05	-0.13
Rank Among 47 States	46	45	45	46	46	43	42

COUNTY NOT REPORTED (2019 Employment: 18,911)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	13.63	10.36	0.24	1.54	0.38	0.82	0.29
Difference from Nation	1.29	1.16	-0.06	-0.02	-0.13	0.29	0.03
Rank Among 50 States	14	10	25	20	38	6	13
Change in Share	5.97	5.66	0.21	0.04	-0.24	0.27	0.02
Difference from Nation	0.42	0.95	-0.01	-0.33	-0.16	0.04	-0.08
Rank Among 50 States	10	8	16	39	43	16	42

WEST VIRGINIA

2019 Employment: 759,615

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.72	1.73	0.08	0.83	0.39	0.44	0.25
Difference from Nation	-1.79	-1.38	-0.05	-0.39	-0.04	0.03	0.04
Rank Among 51 States	46	45	38	45	35	19	14
Change in Share	0.44	0.42	0.04	0.06	-0.10	0.06	-0.03
Difference from Nation	-0.39	-0.32	-0.02	-0.03	0.02	0.00	-0.03
Rank Among 51 States	40	37	35	33	24	22	42

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Beckley, WV (2019 Employment: 46,202; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.33	0.79	0.03	0.46	0.33	0.45	0.27
Difference from SC	-1.28	-0.71	-0.03	-0.60	-0.09	0.10	0.04
Rank in SC	101	117	70	107	74	28	36
Change in Share	-0.32	-0.13	0.01	-0.04	-0.12	-0.03	-0.03
Difference from SC	-0.73	-0.35	-0.02	-0.21	-0.05	-0.07	-0.03
Rank in SC	114	116	67	99	94	101	88

Charleston, WV (2019 Employment: 123,291; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.81	2.32	0.19	0.91	0.45	0.56	0.38
Difference from SC	0.89	0.54	0.11	-0.09	0.02	0.18	0.13
Rank in SC	17	12	3	31	26	13	10
Change in Share	0.46	0.57	0.10	-0.05	-0.21	0.08	-0.05
Difference from SC	0.13	0.37	0.07	-0.17	-0.12	0.03	-0.05
Rank in SC	25	7	2	57	65	18	62

Morgantown, WV (2019 Employment: 71,373; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.97	2.08	0.11	0.94	0.40	0.96	0.49
Difference from SC	1.36	0.58	0.04	-0.11	-0.02	0.61	0.26
Rank in SC	14	20	12	50	48	6	11
Change in Share	0.53	0.35	0.05	0.21	-0.08	0.09	-0.09
Difference from SC	0.13	0.13	0.02	0.03	-0.01	0.05	-0.09
Rank in SC	40	32	19	35	73	27	115

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WEST VIRGINIA (continued)

Parkersburg-Vienna, WV (2019 Employment: 39,343; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.32	1.74	0.07	0.79	0.21	0.17	0.33
Difference from SC	-0.29	0.25	0.01	-0.26	-0.21	-0.17	0.10
Rank in SC	50	28	33	63	110	94	19
Change in Share	0.31	0.42	0.03	0.02	-0.05	-0.05	-0.07
Difference from SC	-0.09	0.20	0.00	-0.16	0.02	-0.09	-0.07
Rank in SC	56	22	33	85	48	109	105

METROPOLITAN AREAS PRIMARILY WITHIN STATE

Huntington-Ashland, WV-KY-OH (2019 Employment: 144,675 of which 88,244 is in WV; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.10	1.35	0.06	0.87	0.40	0.25	0.18
Difference from SC	-1.01	-0.54	-0.01	-0.24	-0.05	-0.14	-0.03
Change in Share	0.21	0.24	0.03	0.09	-0.06	-0.04	-0.06
Difference from SC	-0.05	-0.04	0.00	-0.03	0.05	-0.09	-0.06

Weirton-Steubenville, WV-OH (2019 Employment: 42,377 of which 18,635 is in WV; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.98	1.44	0.00	0.70	0.49	0.29	0.05
Difference from SC	-0.63	-0.06	-0.06	-0.35	0.08	-0.05	-0.18
Change in Share	0.63	0.57	0.00	0.03	-0.16	0.20	0.00
Difference from SC	0.23	0.35	-0.03	-0.14	-0.10	0.15	-0.01

Wheeling, WV-OH (2019 Employment: 67,640 of which 43,362 is in WV; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.63	1.35	0.03	0.57	0.35	0.20	0.13
Difference from SC	-0.98	-0.15	-0.03	-0.48	-0.07	-0.15	-0.10
Change in Share	-0.12	0.10	0.02	-0.01	-0.16	0.00	-0.08
Difference from SC	-0.53	-0.12	-0.01	-0.18	-0.09	-0.05	-0.08

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WEST VIRGINIA (continued)

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Cumberland, MD-WV (2019 Employment: 40,399 of which 8,944 is in WV; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.30	3.80	0.16	2.26	0.88	0.08	0.13
Difference from SC	3.69	2.30	0.10	1.20	0.46	-0.27	-0.10
Change in Share	1.95	1.56	0.11	0.63	-0.33	0.02	-0.04
Difference from SC	1.54	1.34	0.08	0.46	-0.27	-0.02	-0.04

Hagerstown-Martinsburg, MD-WV (2019 Employment: 113,560 of which 43,822 is in WV; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.92	2.71	0.06	0.51	0.32	0.16	0.16
Difference from SC	0.00	0.93	-0.02	-0.48	-0.11	-0.23	-0.09
Change in Share	0.93	1.01	0.02	-0.08	-0.14	0.04	0.08
Difference from SC	0.60	0.81	-0.02	-0.20	-0.05	-0.02	0.08

Washington-Arlington-Alexandria, DC-VA-MD-WV (2019 Employment: 3,545,622 of which 19,171 is in WV; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.48	3.22	0.02	0.36	0.26	1.50	0.12
Difference from SC	-0.95	-0.67	-0.14	-0.95	-0.16	1.05	-0.08
Change in Share	0.45	0.75	0.01	-0.43	-0.53	0.65	0.01
Difference from SC	-0.43	-0.12	-0.06	-0.47	-0.38	0.59	0.01

Winchester, VA-WV (2019 Employment: 68,843 of which 4,606 is in WV; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	1.37	1.00	0.00	0.07	0.04	0.25	0.01
Difference from SC	-2.24	-0.49	-0.06	-0.98	-0.38	-0.10	-0.22
Change in Share	0.02	-0.09	0.00	0.01	-0.05	0.17	-0.02
Difference from SC	-0.39	-0.31	-0.03	-0.16	0.02	0.13	-0.03

(continued)

WEST VIRGINIA (continued)

NONMETROPOLITAN AREA (2019 Employment: 222,800)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.84	0.96	0.04	0.91	0.39	0.37	0.18
Difference from Nation	0.06	-0.06	0.00	0.07	0.03	0.05	-0.03
Rank Among 47 States	21	28	21	16	21	17	25
Change in Share	0.16	0.05	0.01	0.13	-0.04	0.03	-0.03
Difference from Nation	-0.01	-0.05	-0.01	0.03	0.04	0.00	-0.02
Rank Among 47 States	27	37	39	18	12	27	33

COUNTY NOT REPORTED (2019 Employment: 29,723)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	7.08	4.50	0.17	1.07	0.57	0.40	0.35
Difference from Nation	-5.27	-4.69	-0.13	-0.48	0.06	-0.12	0.10
Rank Among 50 States	43	44	32	42	15	32	8
Change in Share	2.97	2.15	0.16	0.39	0.04	0.11	0.12
Difference from Nation	-2.58	-2.56	-0.06	0.02	0.12	-0.12	0.02
Rank Among 50 States	36	39	27	19	13	36	18

WISCONSIN

2019 Employment: 3,180,026

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.17	2.69	0.10	1.40	0.42	0.36	0.20
Difference from Nation	-0.34	-0.42	-0.02	0.18	-0.02	-0.06	-0.01
Rank Among 51 States	25	26	27	13	29	29	31
Change in Share	1.14	0.73	0.05	0.30	-0.08	0.11	0.03
Difference from Nation	0.31	-0.01	-0.01	0.21	0.04	0.05	0.03
Rank Among 51 States	8	16	24	3	11	6	3

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Appleton, WI (2019 Employment: 133,900; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.43	2.08	0.11	1.46	0.49	0.15	0.14
Difference from SC	0.33	0.19	0.04	0.36	0.04	-0.24	-0.07
Rank in SC	24	20	10	16	19	58	48
Change in Share	0.77	0.58	0.06	0.22	-0.18	0.04	0.06
Difference from SC	0.40	0.30	0.03	0.10	-0.07	-0.01	0.06
Rank in SC	12	12	4	18	50	26	6

Eau Claire, WI (2019 Employment: 91,536; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.16	1.94	0.08	1.19	0.59	0.22	0.13
Difference from SC	0.24	0.15	0.01	0.19	0.16	-0.16	-0.11
Rank in SC	23	24	19	20	11	47	58
Change in Share	-0.01	0.12	0.04	-0.02	-0.22	0.06	0.01
Difference from SC	-0.34	-0.09	0.00	-0.14	-0.13	0.01	0.01
Rank in SC	59	42	26	54	66	23	29

Fond du Lac, WI (2019 Employment: 53,198; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	6.82	2.23	0.16	3.21	0.98	0.13	0.11
Difference from SC	3.21	0.73	0.10	2.16	0.56	-0.22	-0.12
Rank in SC	8	18	4	4	5	107	104
Change in Share	2.82	0.85	0.11	1.51	0.23	0.06	0.05
Difference from SC	2.41	0.63	0.08	1.34	0.30	0.01	0.05
Rank in SC	3	6	3	4	2	45	21

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WISCONSIN (continued)

Green Bay, WI (2019 Employment: 188,605; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.77	2.49	0.17	1.26	0.44	0.23	0.18
Difference from SC	0.66	0.60	0.10	0.15	-0.01	-0.15	-0.03
Rank in SC	16	13	3	19	27	43	31
Change in Share	1.07	0.73	0.09	0.23	-0.12	0.10	0.05
Difference from SC	0.71	0.45	0.06	0.12	-0.01	0.05	0.05
Rank in SC	6	6	1	14	38	10	7

Janesville-Beloit, WI (2019 Employment: 76,492; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.20	1.55	0.03	0.94	0.30	0.23	0.15
Difference from SC	-0.72	-0.24	-0.04	-0.05	-0.14	-0.15	-0.10
Rank in SC	42	38	61	29	53	42	50
Change in Share	0.59	0.51	0.02	0.04	-0.08	0.06	0.03
Difference from SC	0.26	0.31	-0.01	-0.09	0.01	0.01	0.03
Rank in SC	18	10	50	45	33	22	19

Madison, WI (2019 Employment: 433,393; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	9.12	5.55	0.21	1.44	0.45	1.05	0.42
Difference from SC	3.72	2.65	0.09	0.14	-0.04	0.66	0.21
Rank in SC	3	2	7	18	23	2	3
Change in Share	2.68	2.05	0.07	0.31	-0.13	0.33	0.05
Difference from SC	2.04	1.52	0.02	0.16	-0.01	0.29	0.06
Rank in SC	1	1	9	7	30	1	2

Milwaukee-Waukesha, WI (2019 Employment: 906,741; 45 Metro Areas in Size Class 2)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.54	3.10	0.09	1.57	0.42	0.23	0.13
Difference from SC	0.14	0.21	-0.03	0.26	-0.07	-0.16	-0.07
Rank in SC	17	16	24	12	27	35	36
Change in Share	0.71	0.40	0.04	0.32	-0.09	0.04	0.00
Difference from SC	0.07	-0.13	-0.01	0.17	0.03	0.01	0.01
Rank in SC	15	25	24	6	15	14	13

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WISCONSIN (continued)

Oshkosh-Neenah, WI (2019 Employment: 100,109; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	5.21	2.03	0.09	1.76	0.54	0.51	0.27
Difference from SC	1.29	0.25	0.02	0.76	0.11	0.13	0.03
Rank in SC	13	20	16	7	16	18	18
Change in Share	0.72	0.28	0.04	0.35	-0.08	0.10	0.03
Difference from SC	0.39	0.08	0.01	0.22	0.01	0.05	0.02
Rank in SC	13	26	15	10	36	12	22

Racine, WI (2019 Employment: 82,360; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.03	1.35	0.06	1.85	0.46	0.19	0.12
Difference from SC	0.11	-0.44	-0.01	0.85	0.02	-0.20	-0.13
Rank in SC	26	46	36	6	24	58	63
Change in Share	0.93	0.39	0.04	0.57	-0.02	-0.02	-0.04
Difference from SC	0.60	0.19	0.01	0.45	0.07	-0.07	-0.05
Rank in SC	7	16	16	2	12	64	61

Sheboygan, WI (2019 Employment: 66,813; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.33	1.59	0.08	1.77	0.43	0.14	0.33
Difference from SC	0.72	0.09	0.02	0.72	0.01	-0.21	0.10
Rank in SC	25	33	23	13	41	106	22
Change in Share	1.18	0.47	0.04	0.47	0.00	0.05	0.15
Difference from SC	0.77	0.25	0.01	0.29	0.07	0.00	0.15
Rank in SC	9	17	25	10	23	56	5

Wausau-Weston, WI (2019 Employment: 90,117; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.19	1.96	0.13	1.18	0.58	0.19	0.14
Difference from SC	0.27	0.17	0.06	0.19	0.15	-0.19	-0.10
Rank in SC	22	23	7	21	12	56	52
Change in Share	1.17	0.60	0.08	0.29	0.02	0.09	0.09
Difference from SC	0.84	0.40	0.05	0.17	0.10	0.04	0.08
Rank in SC	3	5	5	14	7	16	7

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WISCONSIN (continued)

METROPOLITAN AREAS PRIMARILY WITHIN STATE

La Crosse-Onalaska, WI-MN (2019 Employment: 81,900 of which 75,708 is in WI; 71 Metro Areas in Size Class 5)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.06	2.22	0.08	1.11	0.25	0.27	0.14
Difference from SC	0.14	0.43	0.00	0.11	-0.19	-0.11	-0.11
Change in Share	0.81	0.46	0.06	0.22	-0.08	0.11	0.05
Difference from SC	0.48	0.25	0.02	0.09	0.01	0.06	0.04

METROPOLITAN AREAS PARTIALLY WITHIN STATE

Chicago-Naperville-Elgin, IL-IN-WI (2019 Employment: 4,953,964 of which 74,116 is in WI; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.37	1.50	0.00	1.33	0.22	0.27	0.05
Difference from SC	-3.06	-2.38	-0.15	0.02	-0.21	-0.18	-0.15
Change in Share	0.09	0.01	0.00	0.03	-0.11	0.17	-0.01
Difference from SC	-0.78	-0.86	-0.07	0.00	0.04	0.11	-0.01

Duluth, MN-WI (2019 Employment: 145,395 of which 17,774 is in WI; 62 Metro Areas in Size Class 4)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.25	0.69	0.13	1.09	0.13	0.02	0.19
Difference from SC	-1.86	-1.20	0.06	-0.01	-0.32	-0.37	-0.02
Change in Share	0.88	0.25	0.08	0.56	-0.01	-0.02	0.02
Difference from SC	0.52	-0.03	0.05	0.45	0.11	-0.07	0.02

Minneapolis-St. Paul-Bloomington, MN-WI (2019 Employment: 2,124,738 of which 50,927 is in WI; 36 Metro Areas in Size Class 1)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.18	0.87	0.15	1.82	0.10	0.13	0.10
Difference from SC	-3.25	-3.02	-0.01	0.51	-0.33	-0.32	-0.10
Change in Share	1.01	0.20	0.11	0.68	-0.07	0.05	0.05
Difference from SC	0.14	-0.67	0.04	0.65	0.08	-0.01	0.05

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WISCONSIN (continued)

NONMETROPOLITAN AREA (2019 Employment: 678,391)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	2.96	1.07	0.04	1.03	0.34	0.28	0.20
Difference from Nation	0.17	0.05	0.00	0.19	-0.02	-0.04	-0.01
Rank Among 47 States	16	13	17	11	27	28	18
Change in Share	0.46	0.19	0.02	0.21	-0.05	0.06	0.03
Difference from Nation	0.30	0.09	0.00	0.11	0.03	0.03	0.04
Rank Among 47 States	9	16	12	9	15	14	8

COUNTY NOT REPORTED (2019 Employment: 59,845)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	11.46	8.72	0.27	1.36	0.39	0.50	0.23
Difference from Nation	-0.89	-0.48	-0.03	-0.20	-0.12	-0.03	-0.03
Rank Among 50 States	26	24	20	26	35	20	28
Change in Share	6.81	5.76	0.23	0.49	0.01	0.25	0.07
Difference from Nation	1.26	1.05	0.01	0.12	0.09	0.03	-0.03
Rank Among 50 States	7	7	10	14	19	17	34

WYOMING

2019 Employment: 316,042

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.77	1.24	0.03	1.02	0.40	0.69	0.39
Difference from Nation	-1.74	-1.87	-0.09	-0.20	-0.03	0.28	0.18
Rank Among 51 States	44	49	50	31	31	8	4
Change in Share	0.07	0.14	0.01	0.09	-0.12	0.04	-0.08
Difference from Nation	-0.76	-0.60	-0.04	-0.01	0.00	-0.02	-0.08
Rank Among 51 States	50	48	50	29	31	27	50

METROPOLITAN AREAS ENTIRELY WITHIN STATE

Casper, WY (2019 Employment: 42,810; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.39	0.82	0.00	1.22	0.48	0.64	0.23
Difference from SC	-0.22	-0.68	-0.06	0.17	0.06	0.30	0.00
Rank in SC	47	115	124	24	30	12	44
Change in Share	0.16	0.00	0.00	0.22	-0.02	0.03	-0.06
Difference from SC	-0.24	-0.23	-0.03	0.04	0.05	-0.02	-0.07
Rank in SC	73	105	117	31	30	63	104

Cheyenne, WI (2019 Employment: 55,304; 124 Metro Areas in Size Class 6)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	4.72	2.29	0.06	1.08	0.40	0.75	0.14
Difference from SC	1.11	0.79	0.00	0.03	-0.02	0.40	-0.09
Rank in SC	20	16	45	36	46	10	87
Change in Share	0.26	0.28	0.02	0.08	-0.19	0.08	0.00
Difference from SC	-0.15	0.06	-0.01	-0.10	-0.13	0.03	0.00
Rank in SC	62	42	57	66	114	35	68

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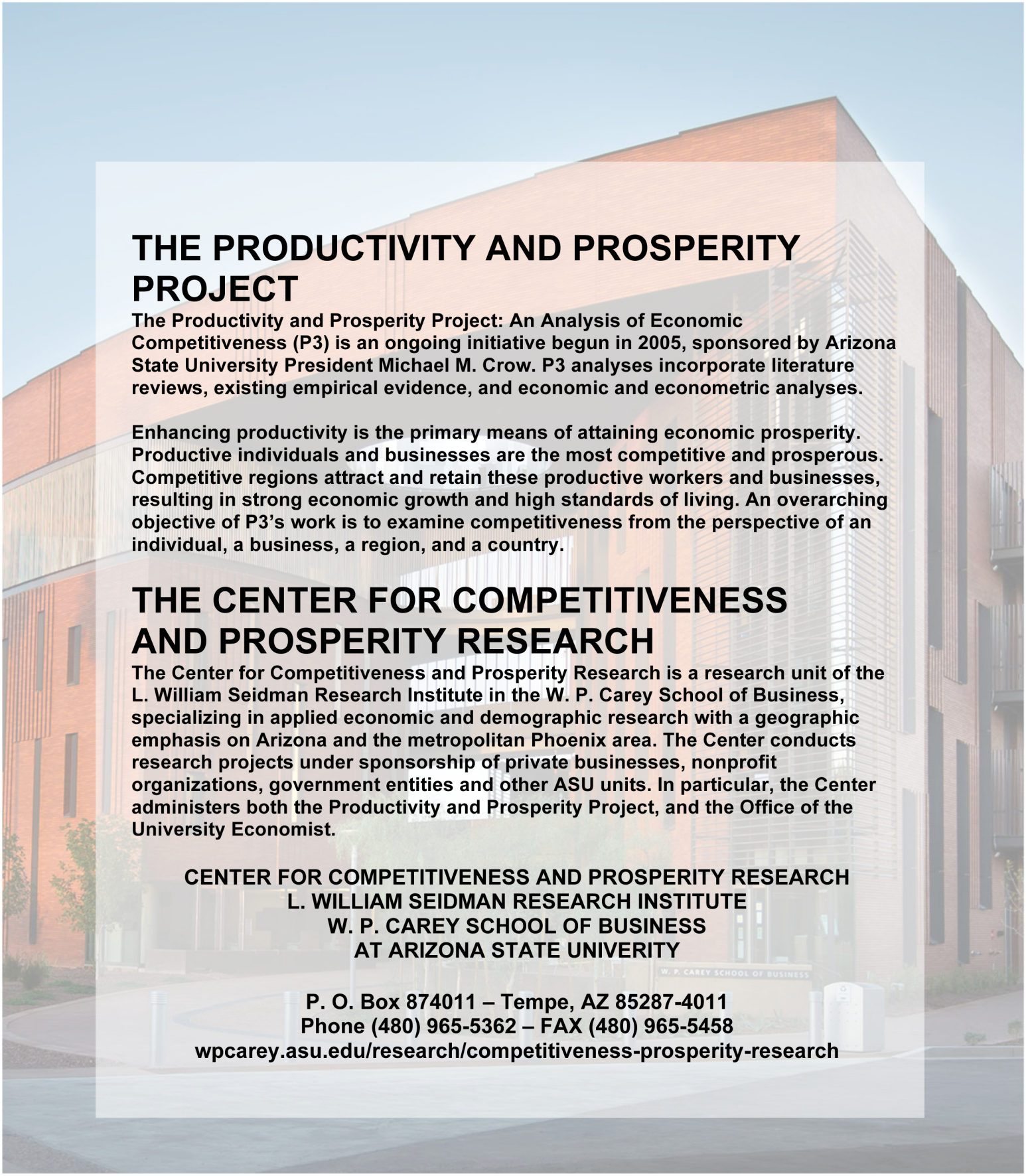
WYOMING (continued)

NONMETROPOLITAN AREA (2019 Employment: 212,934)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.60	1.06	0.03	0.96	0.39	0.68	0.48
Difference from Nation	0.81	0.04	-0.01	0.12	0.03	0.36	0.27
Rank Among 47 States	8	15	32	12	20	4	6
Change in Share	-0.03	0.11	0.01	0.06	-0.13	0.02	-0.10
Difference from Nation	-0.19	0.01	-0.01	-0.03	-0.05	-0.02	-0.09
Rank Among 47 States	40	27	34	28	44	32	40

COUNTY NOT REPORTED (2019 Employment: 4,995)

	Total	Computer	Math	Engineering	Engineer Tech	Science	Science Tech
2019 Share	3.79	1.14	0.02	0.99	0.37	0.80	0.46
Difference from Nation	-8.55	-8.05	-0.28	-0.57	-0.14	0.28	0.21
Rank Among 50 States	50	50	43	43	39	7	5
Change in Share	0.91	0.47	0.02	-0.14	0.06	0.40	0.09
Difference from Nation	-4.64	-4.24	-0.20	-0.51	0.14	0.18	-0.01
Rank Among 50 States	47	46	41	45	11	11	25



THE PRODUCTIVITY AND PROSPERITY PROJECT

The Productivity and Prosperity Project: An Analysis of Economic Competitiveness (P3) is an ongoing initiative begun in 2005, sponsored by Arizona State University President Michael M. Crow. P3 analyses incorporate literature reviews, existing empirical evidence, and economic and econometric analyses.

Enhancing productivity is the primary means of attaining economic prosperity. Productive individuals and businesses are the most competitive and prosperous. Competitive regions attract and retain these productive workers and businesses, resulting in strong economic growth and high standards of living. An overarching objective of P3's work is to examine competitiveness from the perspective of an individual, a business, a region, and a country.

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