



GEORGETOWN UNIVERSITY



Center  
on Education  
and the Workforce

STATE-LEVEL  
ANALYSIS

# STEM

## STATE-LEVEL ANALYSIS

SCIENCE  
TECHNOLOGY  
ENGINEERING  
MATHEMATICS



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# **STEM**

## **State-Level Analysis**

## **STEM state-level analysis**

### **Projections of STEM Jobs and Education Requirements Through 2018**

The STEM state-level analysis provides policymakers, educators, state government officials, and others with details on the projections of STEM jobs through 2018. This report delivers a state-by-state snapshot of the demand for STEM jobs, including:

- The number of forecast net new and replacement jobs by state for each of the five STEM occupational groups;
- The educational distribution of STEM jobs by state;
- The share of STEM jobs in each state, by education level;
- The growth of STEM jobs by state between 2008 and 2018.

The STEM state-level analysis complements a larger national report which discusses the supply and demand for STEM workers nationally. The national report projects 2.4 million job openings in STEM through 2018; 1.1 million of these will be net new job openings, while 1.3 million will be replacement openings. An executive summary of the national report is the third component of this 3-part series on STEM job opportunities in the U.S. economy.

The STEM state-level analysis finds that:

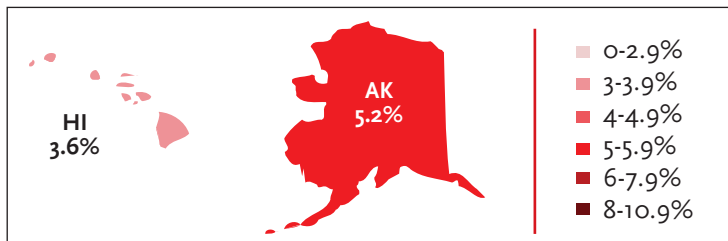
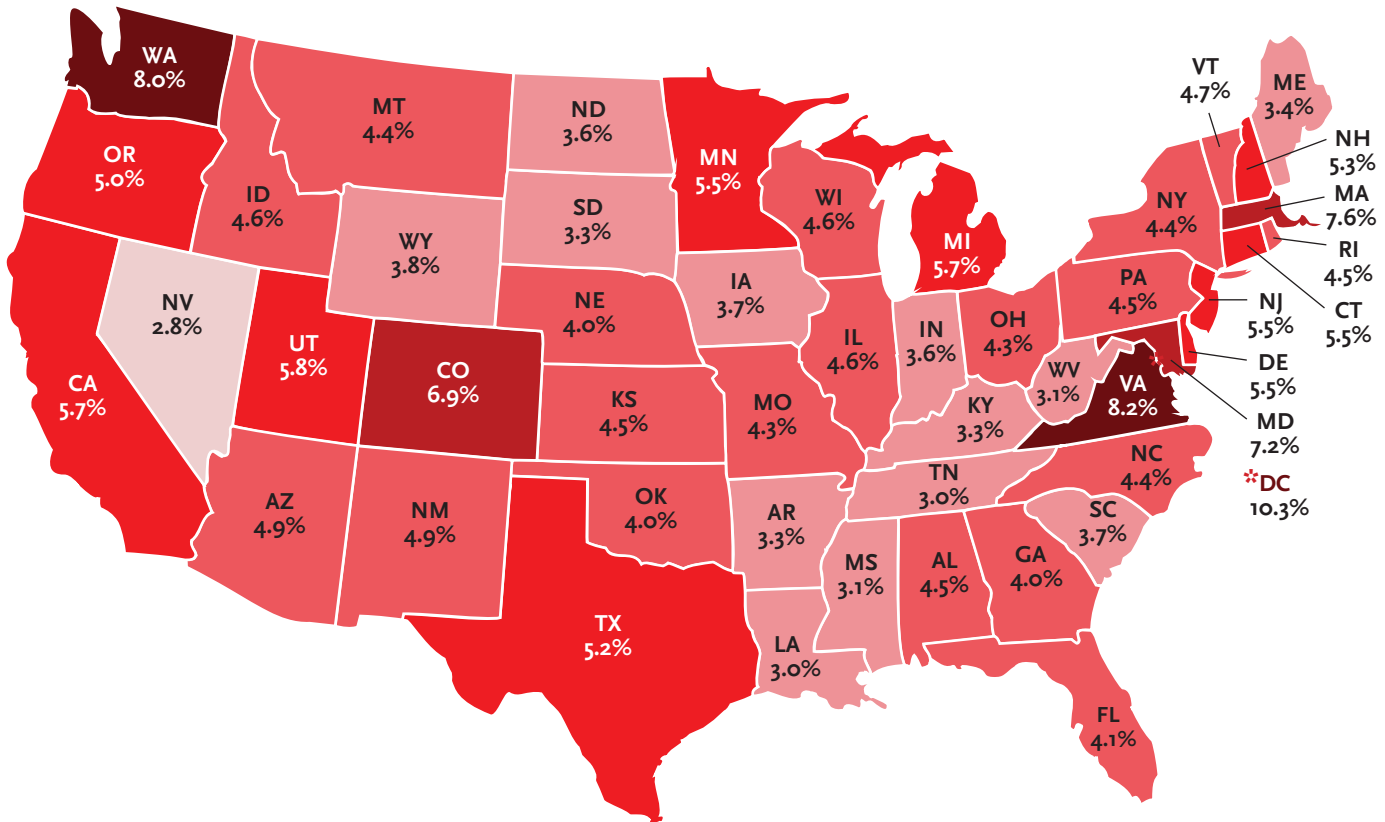
- The District of Columbia will have the highest proportion of STEM jobs as a fraction of job openings through 2018 (10%), followed by Virginia (8%), Washington (8%), and Massachusetts (8%). However, nine states are projected to have only have 3 percent of their future job vacancies in STEM occupations in 2018.
- 19 states will be at or above the national average of 92 percent in terms of the share of their STEM jobs that will require postsecondary education or training. Hawaii leads all states in the proportion of STEM jobs that require postsecondary education and training (96%), followed by Massachusetts (94%), Colorado (94%), and Minnesota (94%).
- Oklahoma and Nevada lead in the proportions of the state's STEM jobs available for workers with some college, including postsecondary vocational certificates and on-the-job training (23% each).
- Compared to all other states, North Dakota will have the highest proportion of its STEM jobs for workers with Associate's degrees (24%).
- Wyoming leads all other states in its proportion of STEM jobs for Bachelor's degree-holders (55%).
- The District of Columbia will have the highest proportion its STEM jobs for workers with Master's degrees (36%), while Massachusetts and New Mexico will have the highest share of their STEM jobs for PhDs (9%).
- In most states, Computer occupations<sup>1</sup> are the largest of the STEM occupations. However, in Louisiana, Michigan, Mississippi, New Mexico, South Carolina, and Wyoming, Engineers and Engineering Technicians will be the largest of the STEM occupations in the state, and in Alaska and Montana, the largest STEM occupation will be Life and Physical Scientists.

<sup>1</sup> Including computer technicians, computer programmers, and computer scientists.

TOTAL STEM JOBS AS A PERCENTAGE OF ALL JOBS: 2018

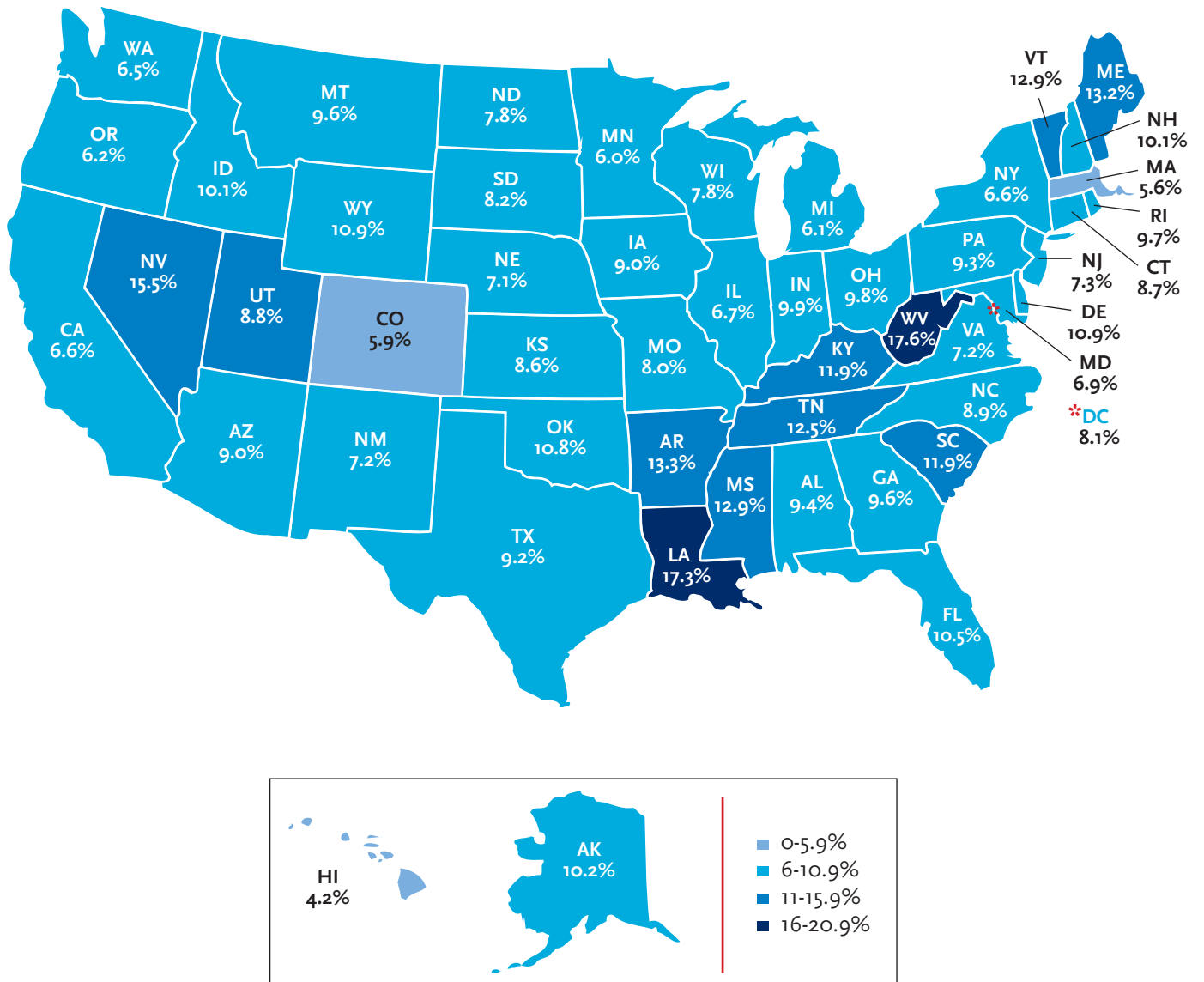
THE DISTRICT OF COLUMBIA, VIRGINIA, AND WASHINGTON WILL LEAD THE NATION IN THEIR SHARE OF ALL JOBS THAT WILL BE STEM JOBS.

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## HIGH SCHOOL STEM JOBS

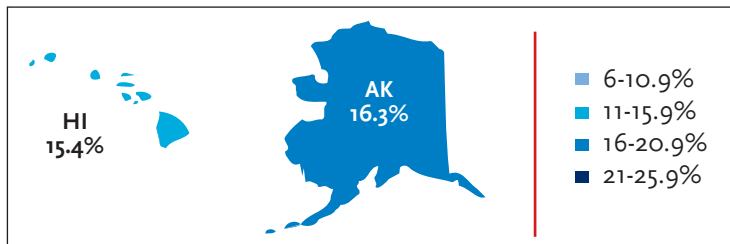
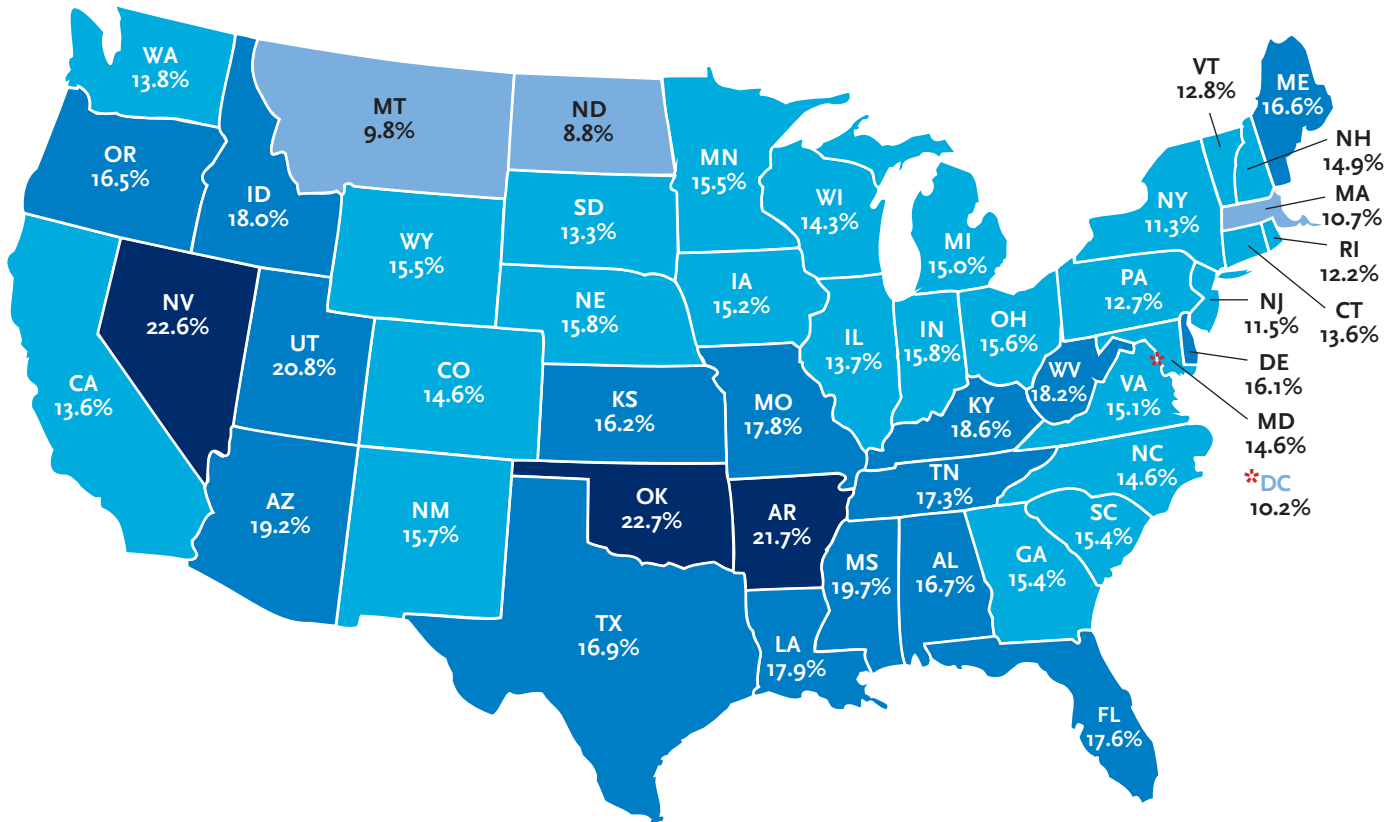
WEST VIRGINIA, LOUISIANA, AND NEVADA WILL LEAD THE NATION IN THE SHARE OF THEIR STEM JOBS FOR HIGH SCHOOL WORKERS IN 2018.



### SOME COLLEGE STEM JOBS

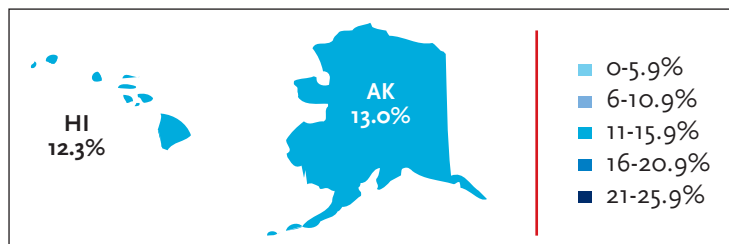
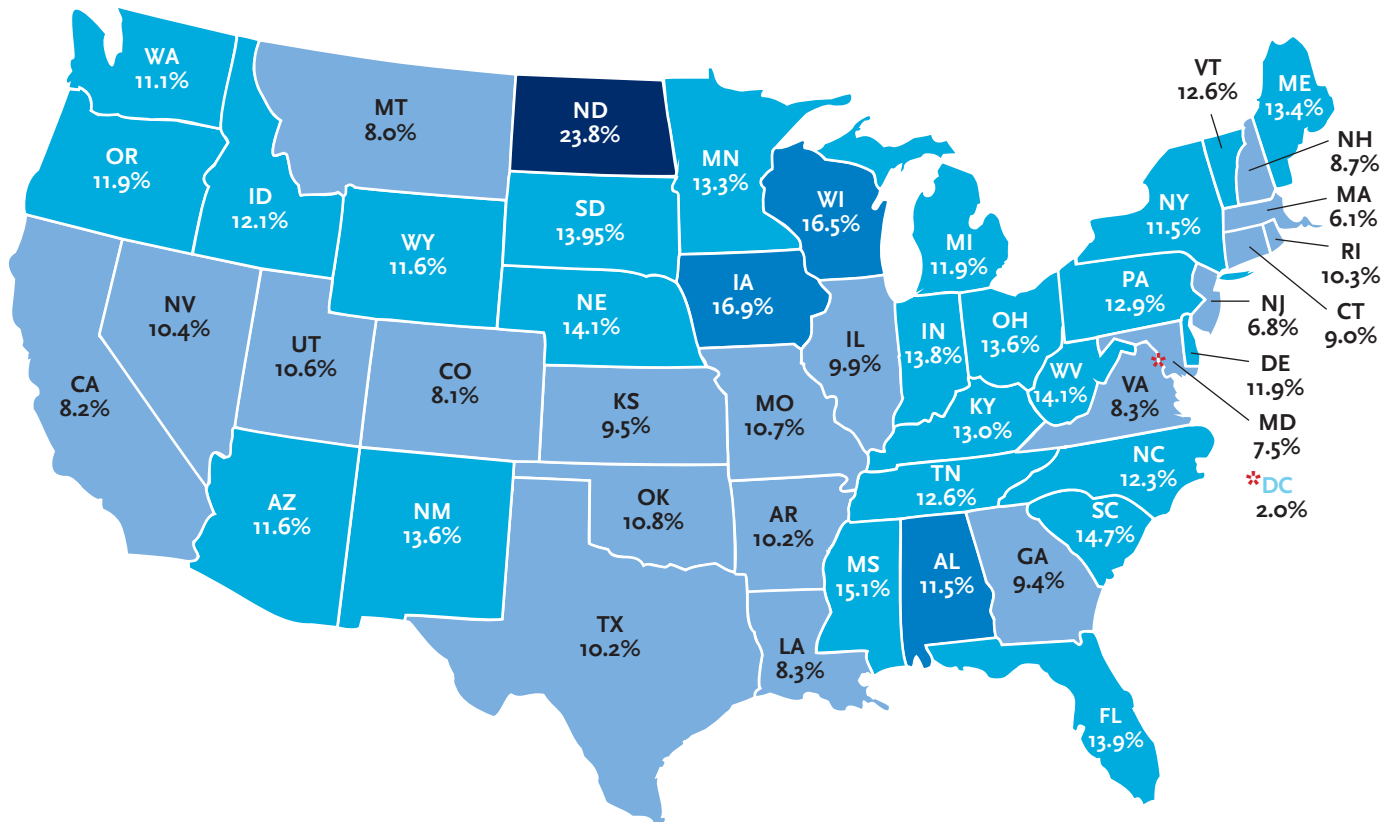
OKLAHOMA, NEVADA, AND ARKANSAS WILL LEAD THE NATION IN THE SHARE OF THEIR STEM JOBS FOR WORKERS WITH SOME COLLEGE IN 2018.

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## ASSOCIATE'S DEGREE STEM JOBS

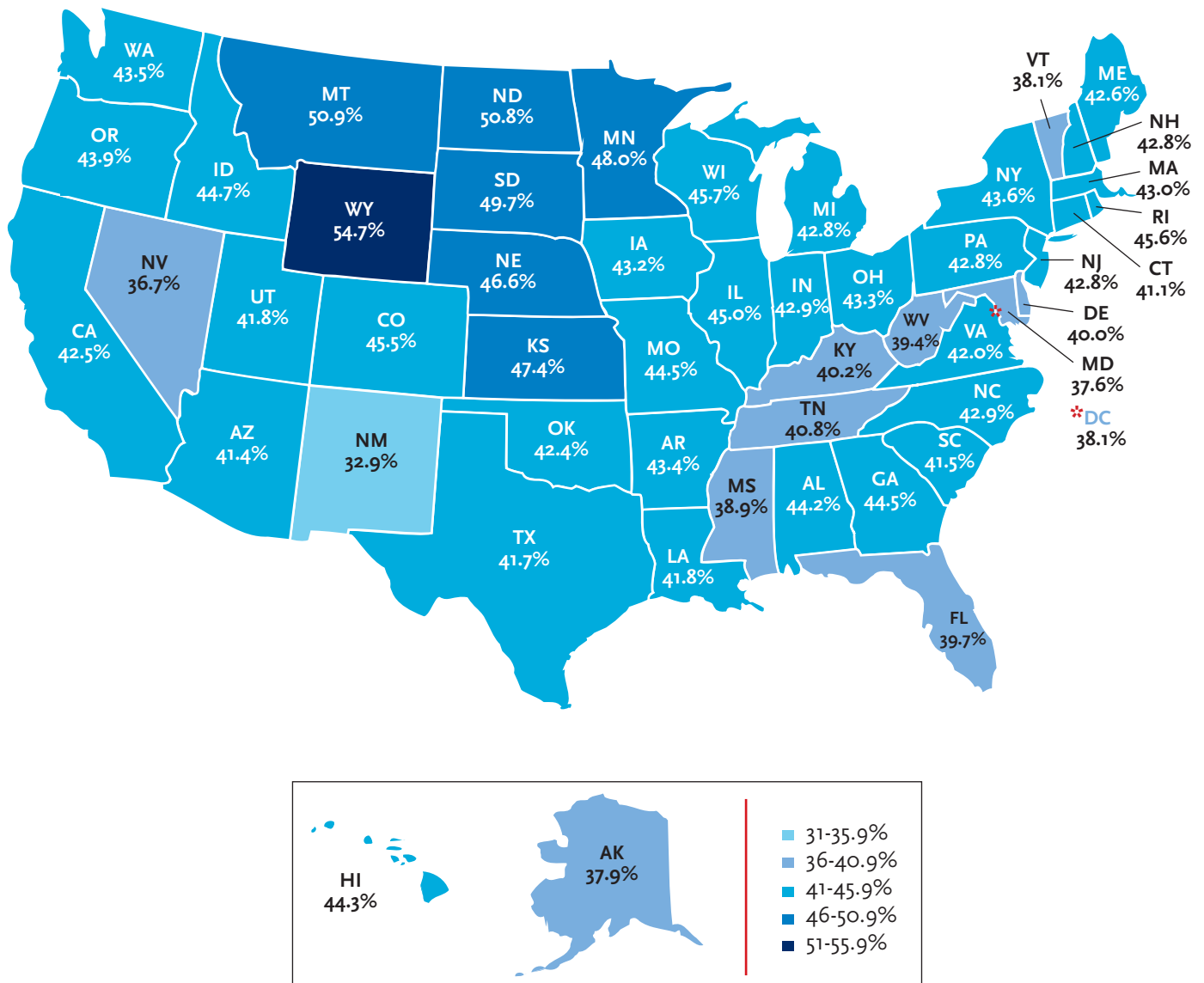
NORTH DAKOTA, IOWA, AND WISCONSIN WILL LEAD THE NATION IN THE SHARE OF THEIR STEM JOBS FOR WORKERS WITH AN ASSOCIATE'S IN 2018.



### BACHELOR'S DEGREE STEM JOBS

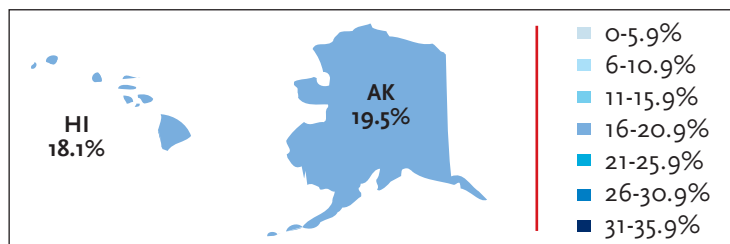
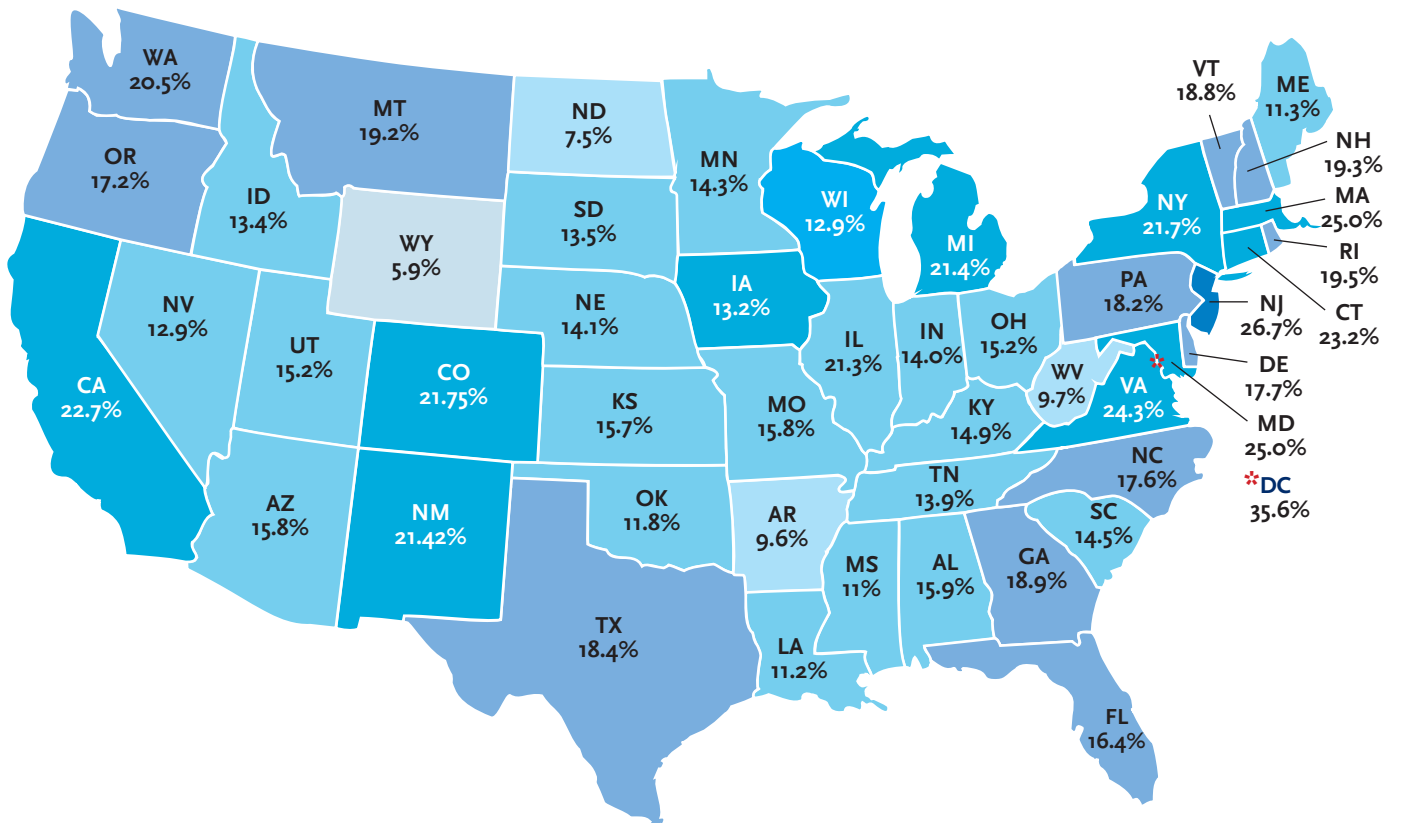
WYOMING, MONTANA, AND NORTH DAKOTA WILL LEAD THE NATION IN THE SHARE OF THEIR STEM JOBS FOR WORKERS WITH A BACHELOR'S IN 2018.

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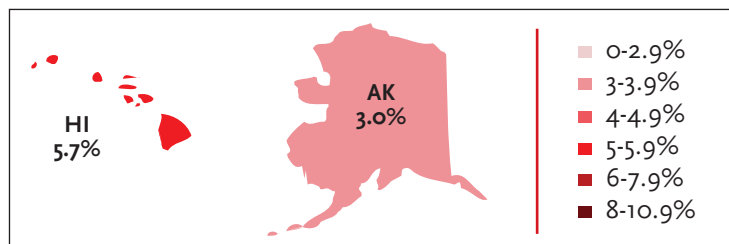
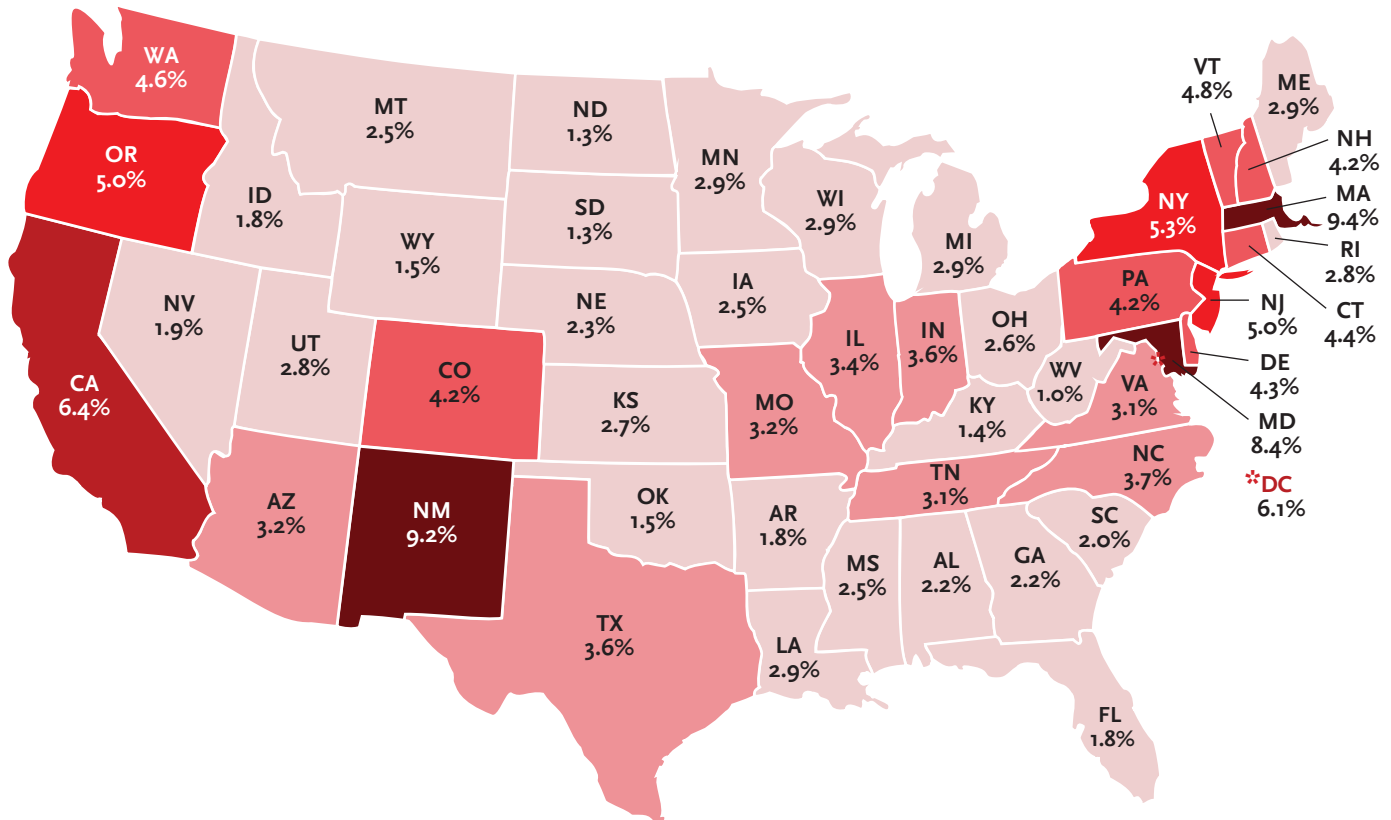


### MASTER'S DEGREE STEM JOBS

WASHINGTON, DC, NEW JERSEY AND MARYLAND WILL LEAD THE NATION IN THE SHARE OF THEIR STEM JOBS FOR WORKERS WITH A MASTER'S IN 2018.



**MASSACHUSETTS, NEW MEXICO, AND MARYLAND WILL LEAD THE NATION IN THE SHARE OF THEIR STEM JOBS FOR WORKERS WITH A DOCTORAL DEGREE IN 2018.**





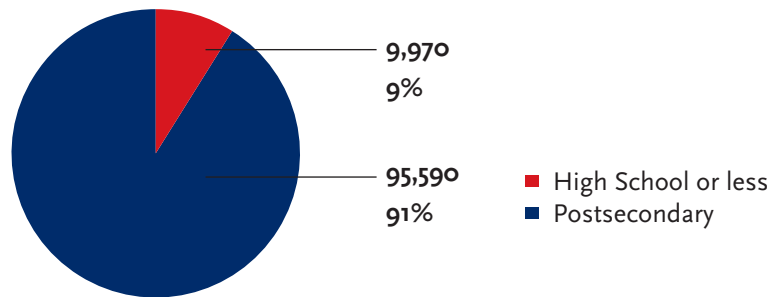
## Alabama

- Alabama will demand a total of 105,560 STEM jobs by 2018, up from 89,730 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Alabama in 2018.
- This represents an 18 percent increase in STEM jobs, 1 percentage point above the national average.
- 42 percent of STEM jobs in Alabama will be in Computer Occupations by 2018.
- 10 percent of all jobs for Master's degree-holders and 13 percent of all jobs for PhD holders in Alabama will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN ALABAMA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	9,970	9%
Some College/No Degree	17,670	12%
Associate's degrees	12,170	17%
Bachelor's degrees	46,620	44%
Master's degrees	16,770	16%
Doctoral degrees	2,360	2%
<b>TOTAL<sup>Δ</sup></b>	<b>105,560</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	<b>TOTAL<sup>Δ</sup></b>
Number of Jobs	44,290	40,540	9,320	9,090	2,330	<b>105,570</b>
% of all STEM Jobs	42%	38%	9%	9%	2%	<b>100%</b>

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

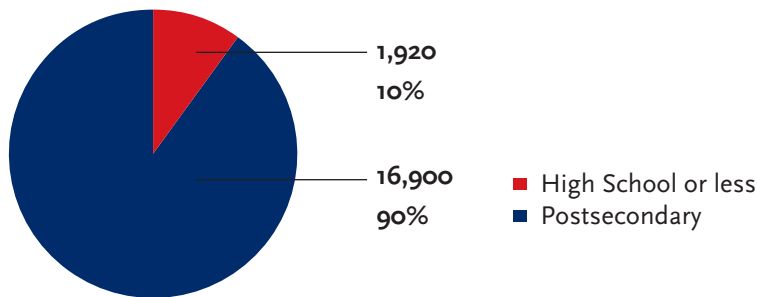
### Percent of Alabama's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	3%	13%	10%	13%

## THE MAJORITY OF STEM JOBS IN ALASKA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	1,920	10%
Some College/No Degree	3,070	13%
Associate's degrees	2,460	16%
Bachelor's degrees	7,130	38%
Master's degrees	3,670	20%
Doctoral degrees	570	3%
<b>TOTAL<sup>Δ</sup></b>	<b>18,820</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	4,640	5,930	6,160	1,850	240	18,820
% of all STEM Jobs	25%	32%	33%	10%	1%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Alaska's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	8%	3%	11%	13%	18%

## Alaska

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- Alaska will demand a total of 18,820 STEM jobs by 2018, up from 17,070 in 2008.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Alaska in 2018.
- This represents a 10 percent increase in STEM jobs, 7 percentage points below the national average.
- 33 percent of STEM jobs in Alaska will be in Life and Physical Sciences Occupations by 2018.
- 13 percent of all jobs for Master's degree-holders and 18 percent of all jobs for PhD holders in Alaska will be in a STEM field by 2018.

## Arizona

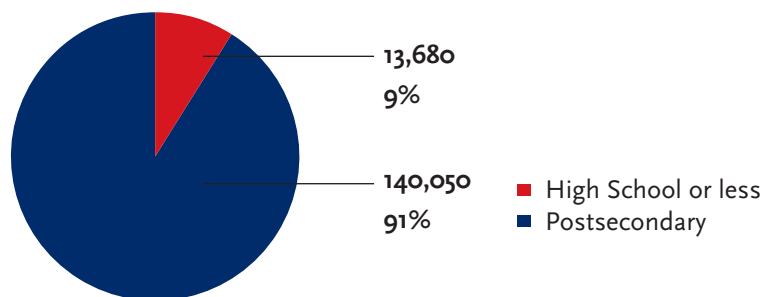
14

- Arizona will demand a total of 153,730 STEM jobs by 2018, up from 132,270 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Arizona in 2018.
- This represents a 16 percent increase in STEM jobs, 1 percent point below the national average.
- 45 percent of STEM jobs in Arizona will be in Computer Occupations by 2018.
- 10 percent of all jobs for Master's degree-holders and 19 percent of all jobs for PhD holders in Arizona will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN ARIZONA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	13,680	9%
Some College/No Degree	29,470	12%
Associate's degrees	17,770	19%
Bachelor's degrees	63,630	41%
Master's degrees	24,320	16%
Doctoral degrees	4,860	3%
<b>TOTAL<sup>Δ</sup></b>	<b>153,730</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	69,100	51,740	13,470	15,780	3,640	153,730
% of all STEM Jobs	45%	34%	9%	10%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

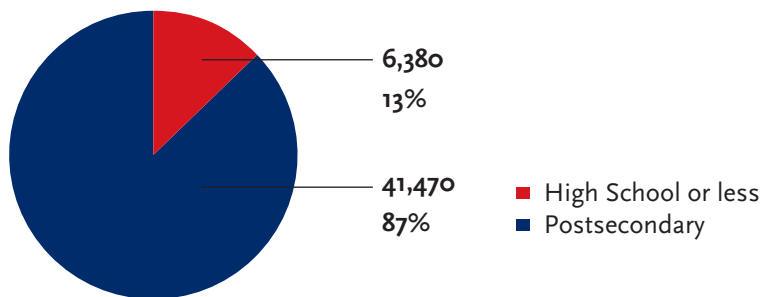
### Percent of Arizona's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	4%	11%	10%	19%

## THE MAJORITY OF STEM JOBS IN ARKANSAS WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	6,380	13%
Some College/No Degree	10,380	10%
Associate's degrees	4,890	22%
Bachelor's degrees	20,750	43%
Master's degrees	4,610	10%
Doctoral degrees	840	2%
<b>TOTAL<sup>Δ</sup></b>	<b>47,850</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	22,720	12,680	6,970	4,290	1,200	47,860
% of all STEM Jobs	47%	26%	15%	9%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Arkansas's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	10%	6%	8%

## Arkansas

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- Arkansas will demand a total of 47,850 STEM jobs by 2018, up from 38,650 in 2008.
- 87 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 3 percent of all jobs in Arkansas in 2018.
- This represents a 24 percent increase in STEM jobs, 7 percent points above the national average.
- 47 percent of STEM jobs in Arkansas will be in Computer Occupations by 2018.
- 6 percent of all jobs for Master's degree-holders and 8 percent of all jobs for PhD holders in Arkansas will be in a STEM field by 2018.

## California

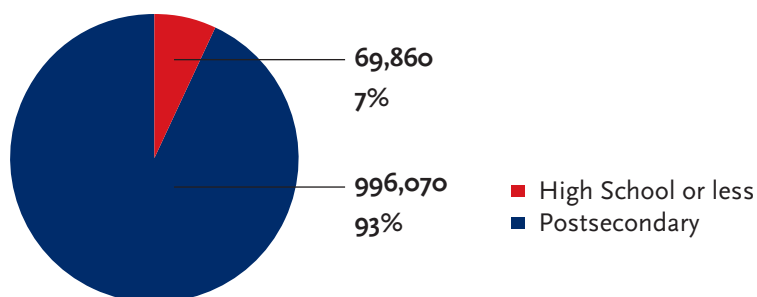
16

- California will demand a total of 1.1 million STEM jobs by 2018, up from 894,860 in 2008.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 6 percent of all jobs in California in 2018.
- This represents a 19 percent increase in STEM jobs, 2 percent points above the national average.
- 49 percent of STEM jobs in California will be in Computer Occupations by 2018.
- 14 percent of all jobs for Master's degree-holders and 29 percent of all jobs for PhD holders in California will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN CALIFORNIA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	69,860	7%
Some College/No Degree	144,980	8%
Associate's degrees	87,610	14%
Bachelor's degrees	452,700	42%
Master's degrees	242,200	23%
Doctoral degrees	68,580	6%
<b>TOTAL<sup>Δ</sup></b>	<b>1,065,930</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	517,890	316,600	139,780	64,410	27,260	1,065,940
% of all STEM Jobs	49%	30%	13%	6%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of California's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	4%	11%	14%	29%

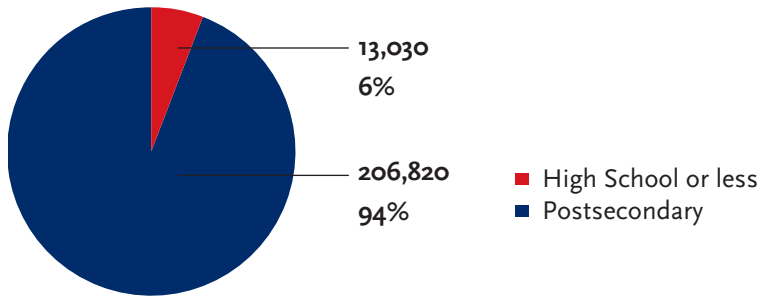
## Colorado

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### THE MAJORITY OF STEM JOBS IN COLORADO WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	13,030	6%
Some College/No Degree	32,100	8%
Associate's degrees	17,800	15%
Bachelor's degrees	99,950	45%
Master's degrees	47,810	22%
Doctoral degrees	9,160	4%
<b>TOTAL<sup>Δ</sup></b>	<b>219,850</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	<b>TOTAL<sup>Δ</sup></b>
Number of Jobs	108,840	58,470	29,980	16,830	5,730	<b>219,850</b>
% of all STEM Jobs	50%	27%	14%	8%	3%	<b>100%</b>

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Colorado's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	5%	13%	15%	28%

- Colorado will demand a total of 219,850 STEM jobs by 2018, up from 172,320 in 2008.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 7 percent of all jobs in Colorado in 2018.
- This represents a 28 percent increase in STEM jobs, 11 percentage points above the national average.
- 50 percent of STEM jobs in Colorado will be in Computer Occupations by 2018.
- 15 percent of all jobs for Master's degree-holders and 28 percent of all jobs for PhD holders in Colorado will be in a STEM field by 2018.

## Connecticut

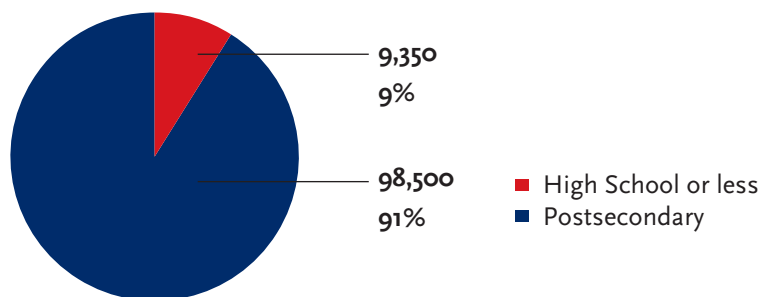
18

- Connecticut will demand a total of 107,850 STEM jobs by 2018, up from 95,630 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 6 percent of all jobs in Connecticut in 2018.
- This represents a 13 percent increase in STEM jobs, 4 percentage points below the national average.
- 55 percent of STEM jobs in Connecticut will be in Computer Occupations by 2018.
- 10 percent of all jobs for Master's degree-holders and 21 percent of all jobs for PhD holders in Connecticut will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN CONNECTICUT WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	9,350	9%
Some College/No Degree	14,700	9%
Associate's degrees	9,720	14%
Bachelor's degrees	44,290	41%
Master's degrees	25,010	23%
Doctoral degrees	4,780	4%
<b>TOTAL<sup>Δ</sup></b>	<b>107,850</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	56,740	31,050	9,940	7,130	2,990	107,850
% of all STEM Jobs	53%	29%	9%	7%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

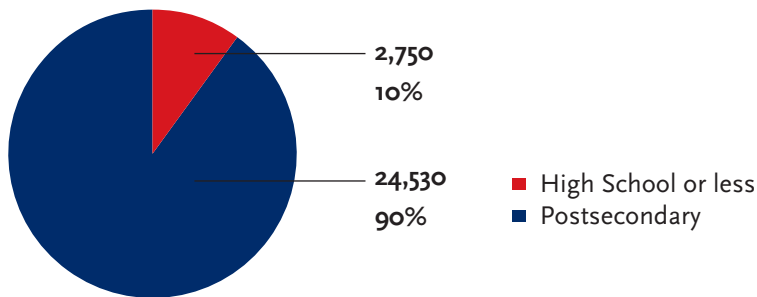
### Percent of Connecticut's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	4%	10%	10%	21%

### THE MAJORITY OF STEM JOBS IN DELAWARE WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	2,750	10%
Some College/No Degree	4,400	12%
Associate's degrees	3,240	16%
Bachelor's degrees	10,900	40%
Master's degrees	4,830	18%
Doctoral degrees	1,160	4%
<b>TOTAL<sup>Δ</sup></b>	<b>27,280</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	14,930	6,240	3,900	1,440	790	27,300
% of all STEM Jobs	55%	23%	14%	5%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Delaware's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	7%	5%	12%	10%	20%

## Delaware

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- Delaware will demand a total of 27,280 STEM jobs by 2018, up from 25,720 in 2008.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 6 percent of all jobs in Delaware in 2018.
- This represents a 6 percent increase in STEM jobs, 12 percentage points below the national average.
- 55 percent of STEM jobs in Delaware will be in Computer Occupations by 2018.
- 10 percent of all jobs for Master's degree-holders and 20 percent of all jobs for PhD holders in Delaware will be in a STEM field by 2018.

## Washington, D.C.

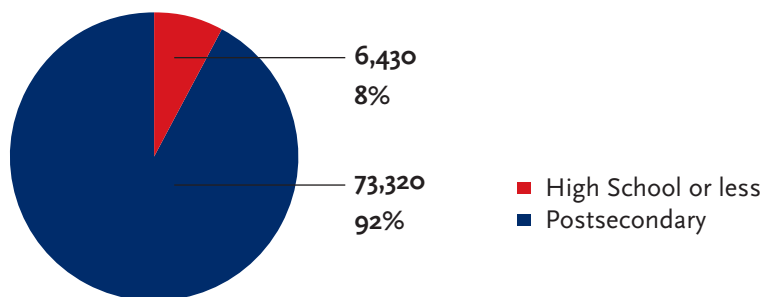
20

- Washington, D.C. will demand a total of 79,750 STEM jobs by 2018, up from 70,490 in 2008.
- 92 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 10 percent of all jobs in Washington, D.C. in 2018.
- This represents a 13 percent increase in STEM jobs, 4 percentage points below the national average.
- 62 percent of STEM jobs in Washington, D.C. will be in Computer Occupations by 2018.
- 15 percent of all jobs for Master's degree-holders and 19 percent of all jobs for PhD holders in Washington, D.C. will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN WASHINGTON, D.C. WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	6,430	8%
Some College/No Degree	8,140	2%
Associate's degrees	1,610	10%
Bachelor's degrees	30,340	38%
Master's degrees	28,350	36%
Doctoral degrees	4,880	6%
<b>TOTAL<sup>Δ</sup></b>	<b>79,750</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	49,590	16,250	9,100	2,200	2,610	79,750
% of all STEM Jobs	62%	20%	11%	3%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

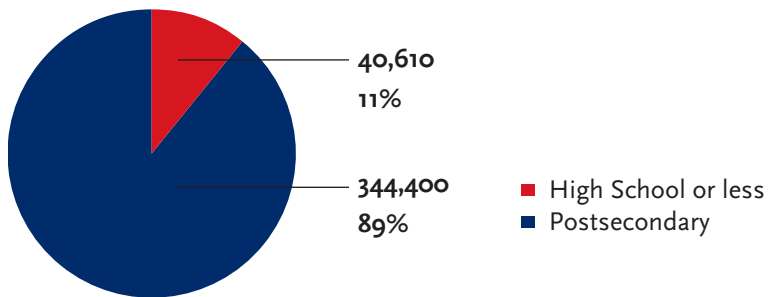
### Percent of Washington, D.C.'s jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
3%	6%	7%	16%	15%	19%

### THE MAJORITY OF STEM JOBS IN FLORIDA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	40,610	11%
Some College/No Degree	67,660	14%
Associate's degrees	53,630	18%
Bachelor's degrees	152,990	40%
Master's degrees	63,200	16%
Doctoral degrees	6,920	2%
<b>TOTAL<sup>Δ</sup></b>	<b>385,010</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	187,840	104,090	39,260	43,930	9,890	385,010
% of all STEM Jobs	49%	27%	10%	11%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Florida's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	9%	9%	10%



- Florida will demand a total of 385,010 STEM jobs by 2018, up from 322,560 in 2008.
- 89 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Florida in 2018.
- This represents a 19 percent increase in STEM jobs, 2 percentage points above the national average.
- 49 percent of STEM jobs in Florida will be in Computer Occupations by 2018.
- 9 percent of all jobs for Master's degree-holders and 10 percent of all jobs for PhD holders in Florida will be in a STEM field by 2018.

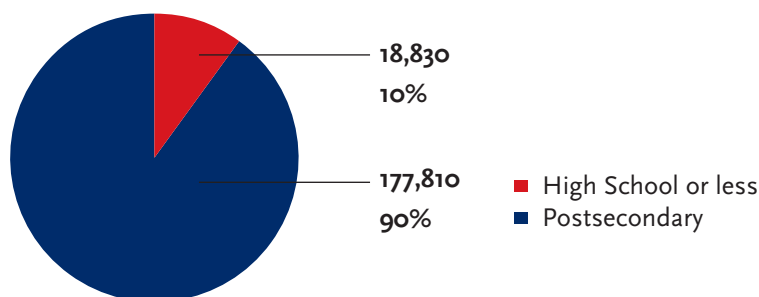
## Georgia

- Georgia will demand a total of 196,640 STEM jobs by 2018, up from 168,650 in 2008.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Georgia in 2018.
- This represents a 17 percent increase in STEM jobs, exactly equal to the national average.
- 57 percent of STEM jobs in Georgia will be in Computer Occupations by 2018.
- 9 percent of all jobs for Master's degree-holders and 10 percent of all jobs for PhD holders in Georgia will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN GEORGIA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	18,830	10%
Some College/No Degree	30,360	9%
Associate's degrees	18,490	15%
Bachelor's degrees	87,460	44%
Master's degrees	37,180	19%
Doctoral degrees	4,320	2%
<b>TOTAL<sup>Δ</sup></b>	<b>196,640</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	112,170	48,500	14,510	15,560	5,910	196,650
% of all STEM Jobs	57%	25%	7%	8%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

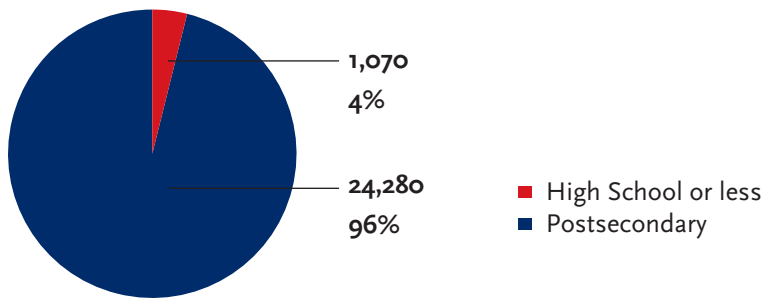
### Percent of Georgia's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	9%	9%	10%

### THE MAJORITY OF STEM JOBS IN HAWAII WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	1,070	4%
Some College/No Degree	3,900	12%
Associate's degrees	3,110	15%
Bachelor's degrees	11,230	44%
Master's degrees	4,600	18%
Doctoral degrees	1,440	6%
<b>TOTAL<sup>Δ</sup></b>	<b>25,350</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	9,980	7,010	5,270	2,570	530	25,360
% of all STEM Jobs	39%	28%	21%	10%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Hawaii's Jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
0%	4%	3%	8%	9%	18%

## Hawaii

23

- Hawaii will demand a total of 25,350 STEM jobs by 2018, up from 23,020 in 2008.
- 96 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Hawaii in 2018.
- This represents a 10 percent increase in STEM jobs, 7 percentage points below the national average.
- 39 percent of STEM jobs in Hawaii will be in Computer Occupations by 2018.
- 9 percent of all jobs for Master's degree-holders and 10 percent of all jobs for PhD holders in Hawaii will be in a STEM field by 2018.

## Idaho

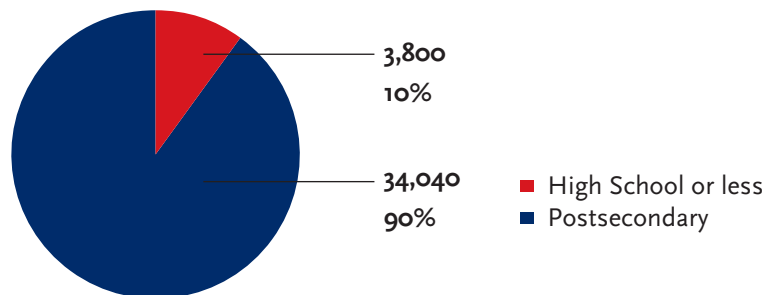
24

- Idaho will demand a total of 37,840 STEM jobs by 2018, up from 33,740 in 2008.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Idaho in 2018.
- This represents a 12 percent increase in STEM jobs, 5 percentage points below the national average.
- 37 percent of STEM jobs in Idaho will be in Computer Occupations by 2018.
- 10 percent of all jobs for Master's degree-holders and 11 percent of all jobs for PhD holders in Idaho will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN IDAHO WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	3,800	10%
Some College/No Degree	6,820	12%
Associate's degrees	4,590	18%
Bachelor's degrees	16,910	45%
Master's degrees	5,050	13%
Doctoral degrees	670	2%
<b>TOTAL<sup>Δ</sup></b>	<b>37,840</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	14,030	11,450	8,450	3,170	740	37,840
% of all STEM Jobs	37%	30%	22%	8%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

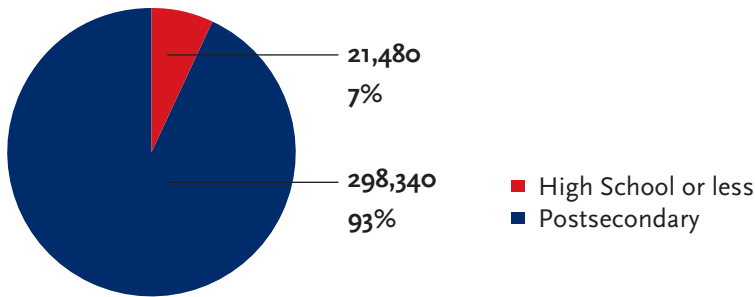
### Percent of Idaho's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	3%	12%	10%	11%

## THE MAJORITY OF STEM JOBS IN ILLINOIS WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	21,480	7%
Some College/No Degree	43,890	10%
Associate's degrees	31,530	14%
Bachelor's degrees	143,920	45%
Master's degrees	68,100	21%
Doctoral degrees	10,900	3%
<b>TOTAL<sup>Δ</sup></b>	<b>319,820</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	183,760	75,340	31,210	19,840	9,670	319,820
% of all STEM Jobs	57%	24%	10%	6%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Illinois's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	10%	10%	15%

## Illinois

25

- Illinois will demand a total of 319,820 STEM jobs by 2018, up from 266,900 in 2008.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Illinois in 2018.
- This represents a 20 percent increase in STEM jobs, 3 percentage points above the national average.
- 57 percent of STEM jobs in Illinois will be in Computer Occupations by 2018.
- 10 percent of all jobs for Master's degree-holders and 15 percent of all jobs for PhD holders in Illinois will be in a STEM field by 2018.

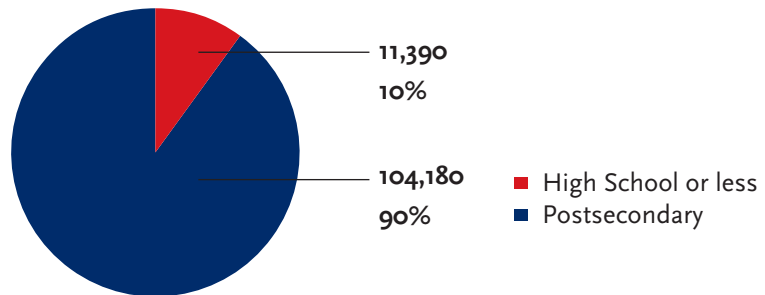
## Indiana

- Indiana will demand a total of 115,570 STEM jobs by 2018, up from 105,560 in 2008.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Indiana in 2018.
- This represents a 9 percent increase in STEM jobs, 8 percentage points below the national average.
- 43 percent of STEM jobs in Indiana will be in Computer Occupations by 2018.
- 8 percent of all jobs for Master's degree-holders and 16 percent of all jobs for PhD holders in Indiana will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN INDIANA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	11,390	10%
Some College/No Degree	18,250	14%
Associate's degrees	15,970	16%
Bachelor's degrees	49,600	43%
Master's degrees	16,170	14%
Doctoral degrees	4,190	4%
<b>TOTAL<sup>Δ</sup></b>	<b>115,570</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	50,050	36,750	15,890	10,230	2,640	115,560
% of all STEM Jobs	43%	32%	14%	9%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

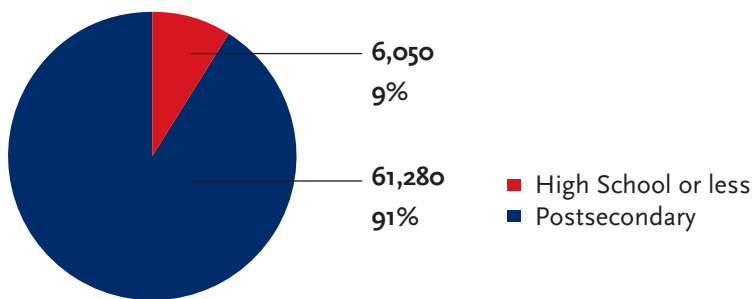
### Percent of Indiana's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	9%	8%	16%

## THE MAJORITY OF STEM JOBS IN IOWA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	6,050	9%
Some College/No Degree	10,250	17%
Associate's degrees	11,390	15%
Bachelor's degrees	29,080	43%
Master's degrees	8,900	13%
Doctoral degrees	1,660	2%
<b>TOTAL<sup>Δ</sup></b>	<b>67,330</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	34,930	16,110	10,130	4,320	1,840	67,330
% of all STEM Jobs	52%	24%	15%	6%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Iowa's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	2%	8%	8%	12%

Iowa

- Iowa will demand a total of 67,330 STEM jobs by 2018, up from 57,830 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Iowa in 2018.
- This represents a 16 percent increase in STEM jobs, 1 percentage point below the national average.
- 52 percent of STEM jobs in Iowa will be in Computer Occupations by 2018.
- 8 percent of all jobs for Master's degree-holders and 12 percent of all jobs for PhD holders in Iowa will be in a STEM field by 2018.

## Kansas

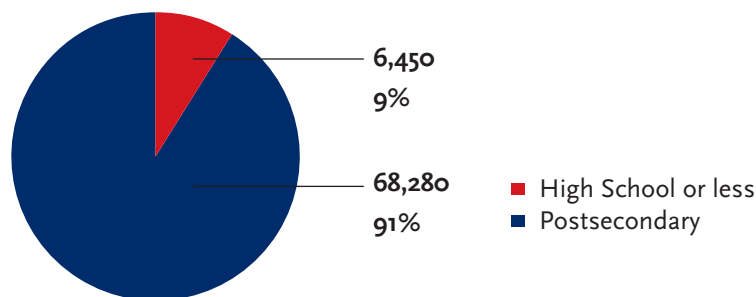
28

- Kansas will demand a total of 74,730 STEM jobs by 2018, up from 64,000 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Kansas in 2018.
- This represents a 17 percent increase in STEM jobs, exactly the national average.
- 47 percent of STEM jobs in Kansas will be in Computer Occupations by 2018.
- 9 percent of all jobs for Master's degree-holders and 14 percent of all jobs for PhD holders in Kansas will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN KANSAS WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	6,450	9%
Some College/No Degree	12,070	9%
Associate's degrees	7,080	16%
Bachelor's degrees	35,390	47%
Master's degrees	11,730	16%
Doctoral degrees	2,010	3%
<b>TOTAL<sup>Δ</sup></b>	<b>74,730</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	34,910	25,020	7,770	5,190	1,840	74,730
% of all STEM Jobs	47%	33%	10%	7%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

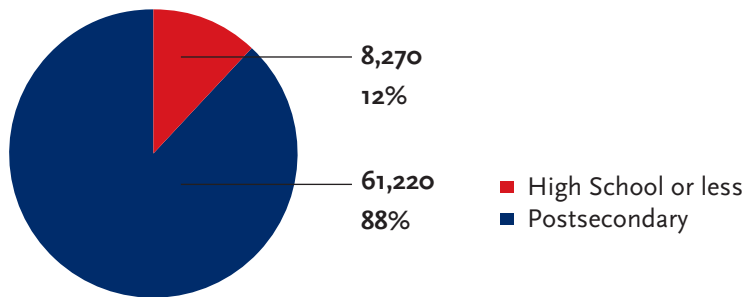
### Percent of Kansas's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	10%	9%	14%

## THE MAJORITY OF STEM JOBS IN KENTUCKY WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	8,270	12%
Some College/No Degree	12,890	13%
Associate's degrees	9,050	19%
Bachelor's degrees	27,950	40%
Master's degrees	10,340	15%
Doctoral degrees	990	1%
<b>TOTAL<sup>Δ</sup></b>	<b>69,490</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	34,160	19,450	8,690	5,400	1,800	69,500
% of all STEM Jobs	49%	28%	13%	8%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Kentucky's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	9%	6%	7%

## Kentucky

- Kentucky will demand a total of 69,490 STEM jobs by 2018, up from 62,700 in 2008.
- 88 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 3 percent of all jobs in Kentucky in 2018.
- This represents an 11 percent increase in STEM jobs, 6 percentage points below the national average.
- 49 percent of STEM jobs in Kentucky will be in Computer Occupations by 2018.
- 6 percent of all jobs for Master's degree-holders and 7 percent of all jobs for PhD holders in Kentucky will be in a STEM field by 2018.

## Louisiana

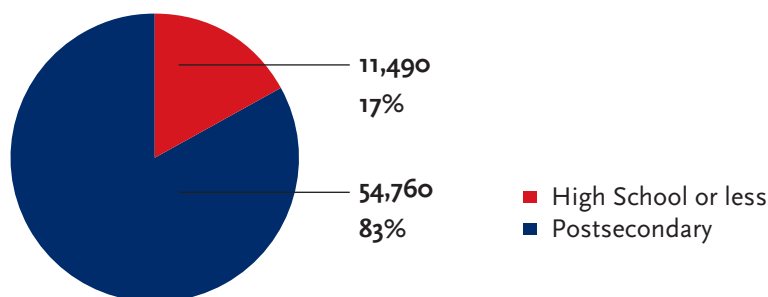
30

- Louisiana will demand a total of 66,250 STEM jobs by 2018, up from 61,610 in 2008.
- 83 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 3 percent of all jobs in Louisiana in 2018.
- This represents an 8 percent increase in STEM jobs, 9 percentage points below the national average.
- 37 percent of STEM jobs in Louisiana will be in Engineering and Technicians Occupations by 2018.
- 6 percent of all jobs for Master's degree-holders and 12 percent of all jobs for PhD holders in Louisiana will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN LOUISIANA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	11,490	17%
Some College/No Degree	11,840	8%
Associate's degrees	5,520	18%
Bachelor's degrees	27,670	42%
Master's degrees	7,800	12%
Doctoral degrees	1,930	3%
<b>TOTAL<sup>Δ</sup></b>	<b>66,250</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	18,980	24,480	11,880	9,900	1,000	66,240
% of all STEM Jobs	29%	37%	18%	15%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

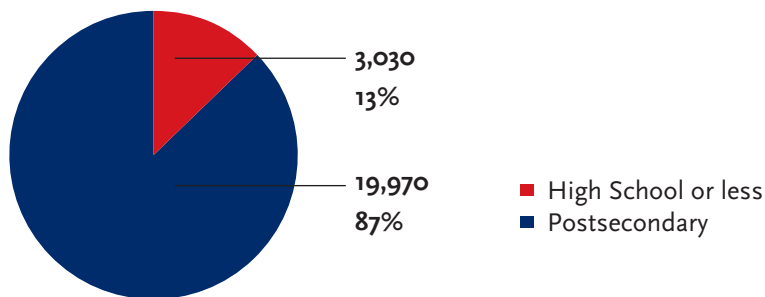
### Percent of Louisiana's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	4%	2%	8%	6%	12%

## THE MAJORITY OF STEM JOBS IN MAINE WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	3,030	13%
Some College/No Degree	3,810	13%
Associate's degrees	3,080	17%
Bachelor's degrees	9,800	43%
Master's degrees	2,600	11%
Doctoral degrees	680	3%
<b>TOTAL<sup>Δ</sup></b>	<b>23,000</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	9,470	6,420	3,970	2,630	500	22,990
% of all STEM Jobs	41%	28%	17%	11%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Maine's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	4%	3%	8%	5%	12%

## Maine

31

- Maine will demand a total of 23,000 STEM jobs by 2018, up from 21,540 in 2008.
- 87 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 3 percent of all jobs in Maine in 2018.
- This represents a 7 percent increase in STEM jobs, 10 percentage points below the national average.
- 41 percent of STEM jobs in Maine will be in Computer Occupations by 2018.
- 5 percent of all jobs for Master's degree-holders and 12 percent of all jobs for PhD holders in Maine will be in a STEM field by 2018.

## Maryland

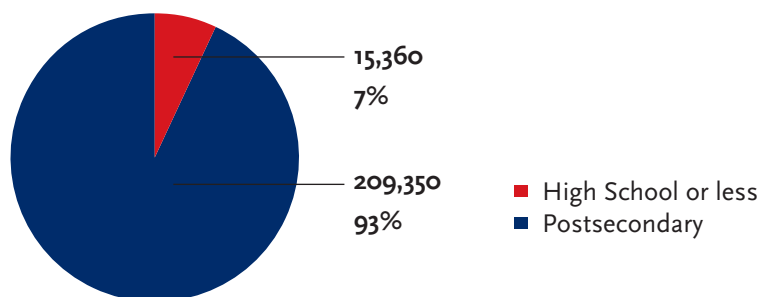
32

- Maryland will demand a total of 224,710 STEM jobs by 2018, up from 190,950 in 2008.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 7 percent of all jobs in Maryland in 2018.
- This represents an 18 percent increase in STEM jobs, 1 percentage point above the national average.
- 54 percent of STEM jobs in Maryland will be in Computer occupations by 2018.
- 14 percent of all jobs for Master's degree-holders and 33 percent of all jobs for PhD holders in Maryland will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN MARYLAND WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	15,360	7%
Some College/No Degree	32,850	8%
Associate's degrees	16,880	15%
Bachelor's degrees	84,500	38%
Master's degrees	56,250	25%
Doctoral degrees	18,870	8%
<b>TOTAL<sup>Δ</sup></b>	<b>224,710</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	121,030	54,160	31,660	11,490	6,370	224,710
% of all STEM Jobs	54%	24%	14%	5%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Maryland's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	7%	5%	13%	14%	33%

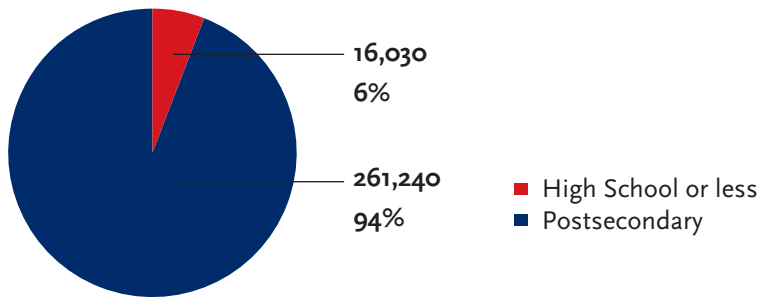
## Massachusetts

33

### THE MAJORITY OF STEM JOBS IN MASSACHUSETTS WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	16,030	6%
Some College/No Degree	29,660	6%
Associate's degrees	17,020	11%
Bachelor's degrees	119,230	43%
Master's degrees	69,190	25%
Doctoral degrees	26,140	9%
<b>TOTAL<sup>Δ</sup></b>	<b>277,270</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	145,920	70,320	40,310	13,050	7,680	277,280
% of all STEM Jobs	53%	25%	15%	5%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Massachusetts's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	7%	5%	13%	14%	33%

- Massachusetts will demand a total of 277,270 STEM jobs by 2018, up from 239,020 in 2008.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 8 percent of all jobs in Massachusetts in 2018.
- This represents a 16 percent increase in STEM jobs, 1 percentage point below the national average.
- 53 percent of STEM jobs in Massachusetts will be in Computer Occupations by 2018.
- 14 percent of all jobs for Master's degree-holders and 33 percent of all jobs for PhD holders in Massachusetts will be in a STEM field by 2018.

## Michigan

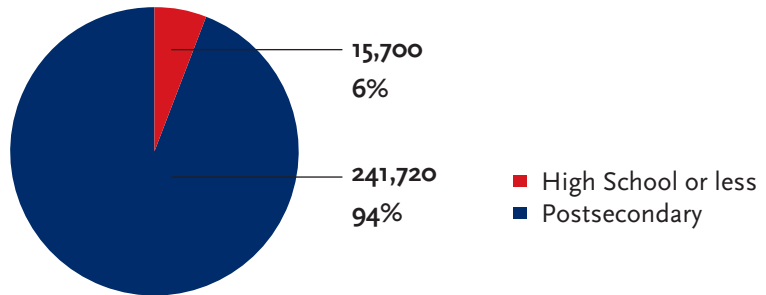
34

- Michigan will demand a total of 257,420 STEM jobs by 2018, up from 246,530 in 2008.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 6 percent of all jobs in Michigan in 2018.
- This represents a 4 percent increase in STEM jobs, 13 percentage points below the national average.
- 45 percent of STEM jobs in Michigan will be in Engineering and Technicians Occupations by 2018.
- 13 percent of all jobs for Master's degree-holders and 18 percent of all jobs for PhD holders in Michigan will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN MICHIGAN WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	15,700	6%
Some College/No Degree	38,550	12%
Associate's degrees	30,570	15%
Bachelor's degrees	110,110	43%
Master's degrees	55,060	21%
Doctoral degrees	7,430	3%
<b>TOTAL<sup>Δ</sup></b>	<b>257,420</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	103,140	115,710	21,440	11,690	5,430	257,410
% of all STEM Jobs	40%	45%	8%	5%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Michigan's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	7%	3%	13%	13%	18%

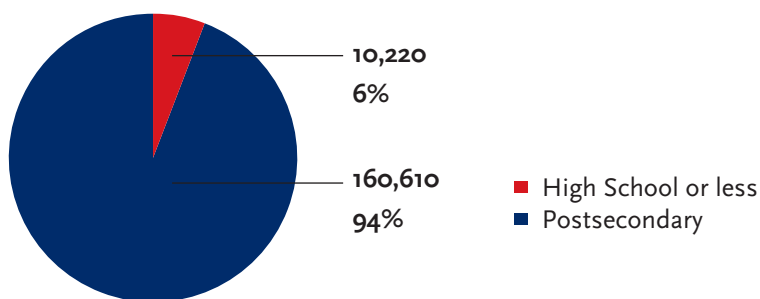
## Minnesota

35

### THE MAJORITY OF STEM JOBS IN MINNESOTA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	10,220	6%
Some College/No Degree	26,480	13%
Associate's degrees	22,680	15%
Bachelor's degrees	82,070	48%
Master's degrees	24,480	14%
Doctoral degrees	4,900	3%
<b>TOTAL<sup>Δ</sup></b>	<b>170,830</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	91,410	44,830	18,720	11,060	4,810	170,830
% of all STEM Jobs	54%	26%	11%	6%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Minnesota's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	4%	11%	9%	17%

- Minnesota will demand a total of 170,830 STEM jobs by 2018, up from 151,310 in 2008.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Minnesota in 2018.
- This represents a 13 percent increase in STEM jobs, 4 percentage points below the national average.
- 54 percent of STEM jobs in Minnesota will be in Computer Occupations by 2018.
- 9 percent of all jobs for Master's degree-holders and 17 percent of all jobs for PhD holders in Minnesota will be in a STEM field by 2018.

## Mississippi

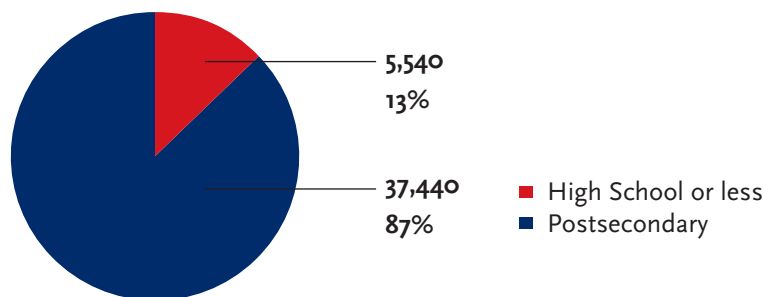
36

- Mississippi will demand a total of 42,980 STEM jobs by 2018, up from 36,260 in 2008.
- 87 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 3 percent of all jobs in Mississippi in 2018.
- This represents a 18 percent increase in STEM jobs, 1 percentage points above the national average.
- 40 percent of STEM jobs in Mississippi will be in Engineering and Technicians Occupations by 2018.
- 6 percent of all jobs for Master's degree-holders and 12 percent of all jobs for PhD holders in Mississippi will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN MISSISSIPPI WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	5,540	13%
Some College/No Degree	8,470	20%
Associate's degrees	6,490	15%
Bachelor's degrees	16,700	39%
Master's degrees	4,720	11%
Doctoral degrees	1,060	2%
<b>TOTAL<sup>Δ</sup></b>	<b>42,980</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	12,950	17,230	6,300	5,810	680	42,970
% of all STEM Jobs	30%	40%	15%	14%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Mississippi's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	8%	6%	12%

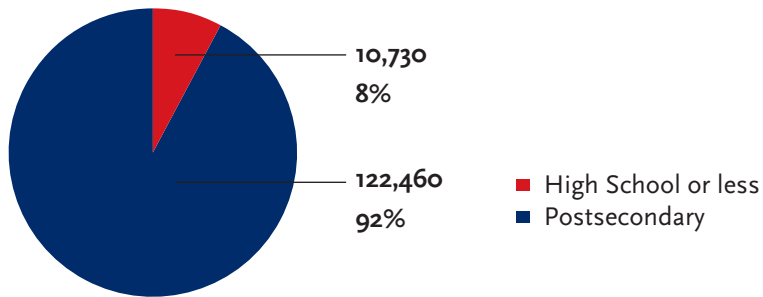
## Missouri

37

### THE MAJORITY OF STEM JOBS IN MISSOURI WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	10,730	8%
Some College/No Degree	23,700	11%
Associate's degrees	14,250	18%
Bachelor's degrees	59,220	44%
Master's degrees	20,990	16%
Doctoral degrees	4,300	3%
<b>TOTAL<sup>Δ</sup></b>	<b>133,190</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	70,960	32,380	16,250	9,850	3,740	133,180
% of all STEM Jobs	53%	24%	12%	7%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Missouri's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	3%	10%	8%	15%

- Missouri will demand a total of 133,190 STEM jobs by 2018, up from 119,920 in 2008.
- 92 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Missouri in 2018.
- This represents an 11 percent increase in STEM jobs, 6 percentage points below the national average.
- 53 percent of STEM jobs in Missouri will be in Computer Occupations by 2018.
- 8 percent of all jobs for Master's degree-holders and 15 percent of all jobs for PhD holders in Missouri will be in a STEM field by 2018.

## Montana

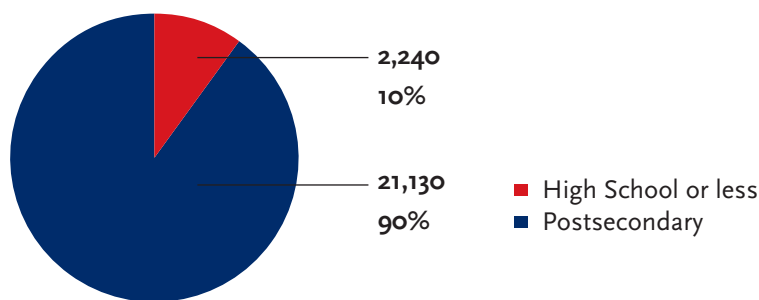
38

- Montana will demand a total of 23,370 STEM jobs by 2018, up from 20,030 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Montana in 2018.
- This represents a 17 percent increase in STEM jobs, exactly the national average.
- 34 percent of STEM jobs in Montana will be in Life and Physical Sciences Occupations by 2018.
- 13 percent of all jobs for Master's degree-holders and 13 percent of all jobs for PhD holders in Montana will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN MONTANA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	2,240	10%
Some College/No Degree	2,300	10%
Associate's degrees	1,870	8%
Bachelor's degrees	11,890	51%
Master's degrees	4,480	19%
Doctoral degrees	590	3%
<b>TOTAL<sup>Δ</sup></b>	<b>23,370</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	7,080	4,980	7,860	3,090	370	23,380
% of all STEM Jobs	30%	21%	34%	13%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Montana's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	4%	2%	11%	13%	13%

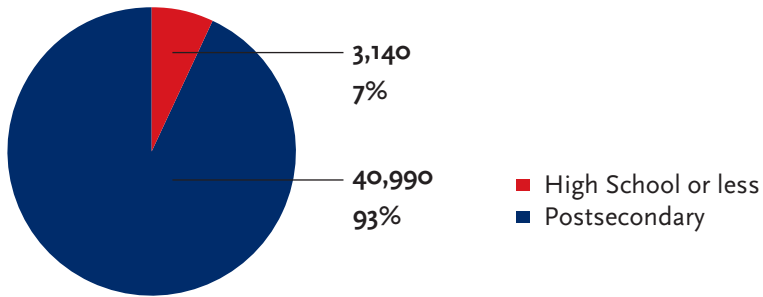
## Nebraska

39

### THE MAJORITY OF STEM JOBS IN NEBRASKA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	3,140	7%
Some College/No Degree	6,970	16%
Associate's degrees	6,240	14%
Bachelor's degrees	20,580	47%
Master's degrees	6,210	14%
Doctoral degrees	990	2%
<b>TOTAL<sup>Δ</sup></b>	<b>44,130</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	25,580	8,880	5,070	3,240	1,350	44,120
% of all STEM Jobs	58%	20%	11%	7%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Nebraska's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	9%	8%	11%

- Nebraska will demand a total of 44,130 STEM jobs by 2018, up from 38,960 in 2008.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Nebraska in 2018.
- This represents a 13 percent increase in STEM jobs, 4 percentage points below the national average.
- 58 percent of STEM jobs in Nebraska will be in Computer Occupations by 2018.
- 8 percent of all jobs for Master's degree-holders and 11 percent of all jobs for PhD holders in Nebraska will be in a STEM field by 2018.

## Nevada

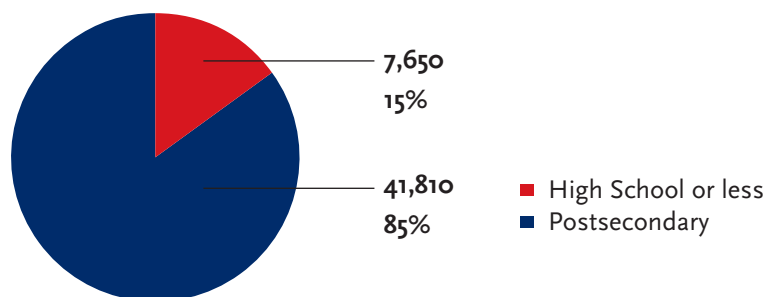
40

- Nevada will demand a total of 49,460 STEM jobs by 2018, up from 37,220 in 2008.
- 84 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 3 percent of all jobs in Nevada in 2018.
- This represents a 33 percent increase in STEM jobs, 16 percentage points above the national average.
- 40 percent of STEM jobs in Nevada will be in Computer Occupations by 2018.
- 6 percent of all jobs for Master's degree-holders and 12 percent of all jobs for PhD holders in Nevada will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN NEVADA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	7,650	15%
Some College/No Degree	11,180	23%
Associate's degrees	5,160	10%
Bachelor's degrees	18,130	37%
Master's degrees	6,400	13%
Doctoral degrees	940	2%
<b>TOTAL<sup>Δ</sup></b>	<b>49,460</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	19,740	15,350	7,510	5,820	1,040	49,460
% of all STEM Jobs	40%	31%	15%	12%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

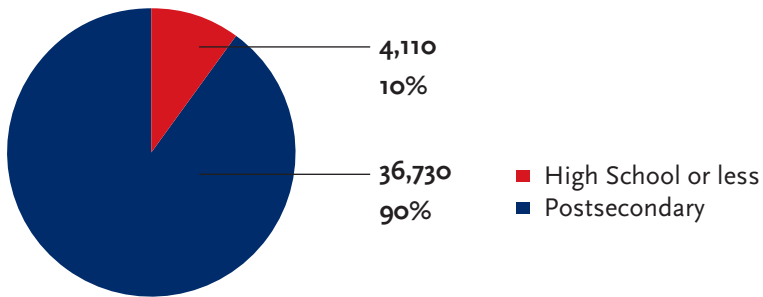
### Percent of Nevada's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	4%	3%	7%	6%	12%

## THE MAJORITY OF STEM JOBS IN NEW HAMPSHIRE WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	4,110	10%
Some College/No Degree	6,100	15%
Associate's degrees	3,570	9%
Bachelor's degrees	17,470	43%
Master's degrees	7,890	19%
Doctoral degrees	1,700	4%
<b>TOTAL<sup>Δ</sup></b>	<b>40,840</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	22,090	11,090	3,860	2,630	1,160	40,830
% of all STEM Jobs	54%	27%	9%	6%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of New Hampshire's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	4%	4%	10%	11%	19%

## New Hampshire

41

- New Hampshire will demand a total of 40,840 STEM jobs by 2018, up from 34,870 in 2008.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in New Hampshire in 2018.
- This represents a 17 percent increase in STEM jobs, exactly the national average.
- 54 percent of STEM jobs in New Hampshire will be in Computer Occupations by 2018.
- 11 percent of all jobs for Master's degree-holders and 19 percent of all jobs for PhD holders in New Hampshire will be in a STEM field by 2018.

## New Jersey

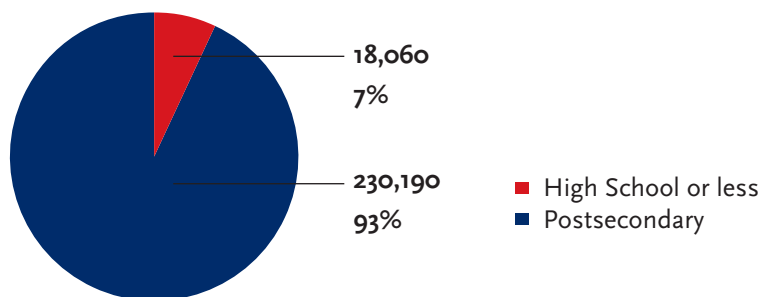
42

- New Jersey will demand a total of 248,250 STEM jobs by 2018, up from 223,190 in 2008.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 6 percent of all jobs in New Jersey in 2018.
- This represents an 11 percent increase in STEM jobs, 6 percentage points below the national average.
- 59 percent of STEM jobs in New Jersey will be in Computer Occupations by 2018.
- 14 percent of all jobs for Master's degree-holders and 25 percent of all jobs for PhD holders in New Jersey will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN NEW JERSEY WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	18,060	7%
Some College/No Degree	28,550	12%
Associate's degrees	16,850	7%
Bachelor's degrees	106,340	43%
Master's degrees	66,150	27%
Doctoral degrees	12,300	5%
<b>TOTAL<sup>Δ</sup></b>	<b>248,250</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	145,860	48,340	31,890	14,480	7,680	248,250
% of all STEM Jobs	59%	19%	13%	6%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of New Jersey's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	4%	10%	14%	25%

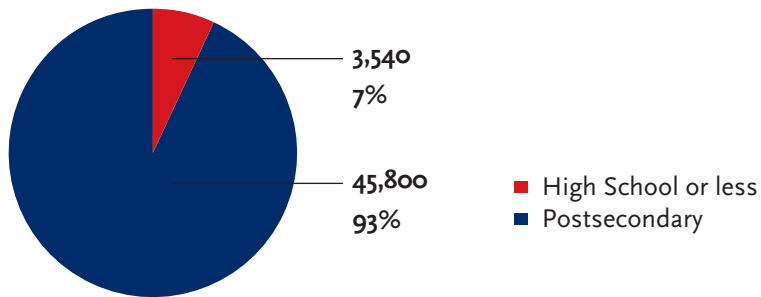
## New Mexico

43

### THE MAJORITY OF STEM JOBS IN NEW MEXICO WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	3,540	7%
Some College/No Degree	7,720	16%
Associate's degrees	6,720	14%
Bachelor's degrees	16,240	33%
Master's degrees	10,570	21%
Doctoral degrees	4,550	9%
<b>TOTAL<sup>Δ</sup></b>	<b>49,340</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	15,360	19,200	10,550	3,410	810	49,330
% of all STEM Jobs	31%	39%	21%	7%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of New Mexico's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	8%	3%	11%	13%	35%

- New Mexico will demand a total of 49,340 STEM jobs by 2018, up from 46,360 in 2008.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in New Mexico in 2018.
- This represents a 6 percent increase in STEM jobs, 11 percentage points below the national average.
- 39 percent of STEM jobs in New Mexico will be in Engineering and Technicians Occupations by 2018.
- 13 percent of all jobs for Master's degree-holders and 35 percent of all jobs for PhD holders in New Mexico will be in a STEM field by 2018.

## New York

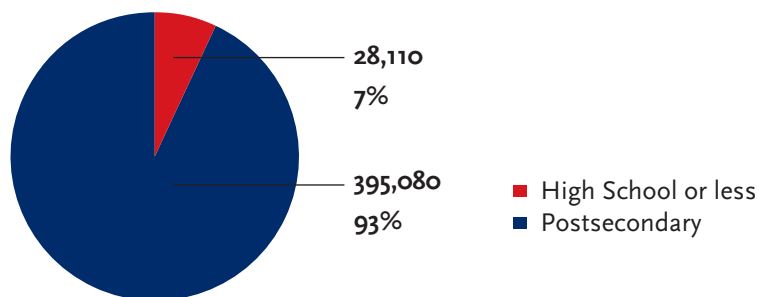
44

- New York will demand a total of 423,190 STEM jobs by 2018, up from 385,140 in 2008.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in New York in 2018.
- This represents a 10 percent increase in STEM jobs, 7 percentage points below the national average.
- 57 percent of STEM jobs in New York will be in Computer Occupations by 2018.
- 7 percent of all jobs for Master's degree-holders and 19 percent of all jobs for PhD holders in New York will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN NEW YORK WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	28,110	7%
Some College/No Degree	47,730	11%
Associate's degrees	48,450	11%
Bachelor's degrees	184,450	44%
Master's degrees	91,970	22%
Doctoral degrees	22,480	5%
<b>TOTAL<sup>Δ</sup></b>	<b>423,190</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	239,500	86,720	52,160	32,210	12,610	423,200
% of all STEM Jobs	57%	20%	12%	8%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

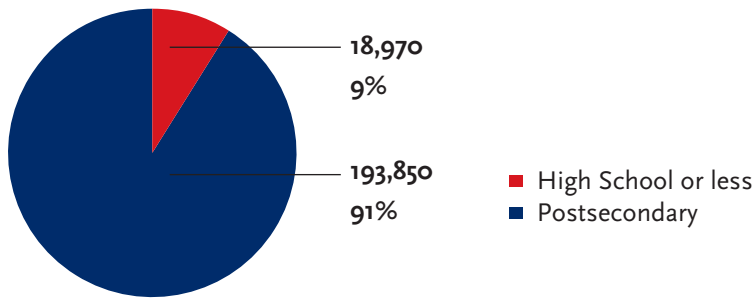
### Percent of New York's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	9%	7%	19%

## THE MAJORITY OF STEM JOBS IN NORTH CAROLINA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	18,970	9%
Some College/No Degree	31,040	15%
Associate's degrees	26,120	12%
Bachelor's degrees	91,350	43%
Master's degrees	37,480	18%
Doctoral degrees	7,860	4%
<b>TOTAL<sup>Δ</sup></b>	<b>212,820</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	104,720	49,660	35,650	17,280	5,510	212,820
% of all STEM Jobs	49%	23%	17%	8%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of North Carolina's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	10%	11%	17%

## North Carolina

45

- North Carolina will demand a total of 212,820 STEM jobs by 2018, up from 182,570 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in North Carolina in 2018.
- This represents a 17 percent increase in STEM jobs, exactly the national average.
- 49 percent of STEM jobs in North Carolina will be in Computer Occupations by 2018.
- 11 percent of all jobs for Master's degree-holders and 17 percent of all jobs for PhD holders in North Carolina will be in a STEM field by 2018.

## North Dakota

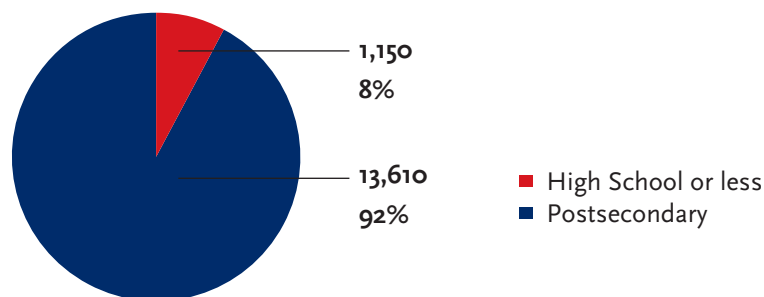
46

- North Dakota will demand a total of 14,760 STEM jobs by 2018, up from 12,420 in 2008.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in North Dakota in 2018.
- This represents a 19 percent increase in STEM jobs, 2 percentage points above the national average.
- 45 percent of STEM jobs in North Dakota will be in Computer Occupations by 2018.
- 5 percent of all jobs for Master's degree-holders and 6 percent of all jobs for PhD holders in North Dakota will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN NORTH DAKOTA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	1,150	8%
Some College/No Degree	1,290	9%
Associate's degrees	3,510	24%
Bachelor's degrees	7,500	51%
Master's degrees	1,110	8%
Doctoral degrees	200	1%
<b>TOTAL<sup>Δ</sup></b>	<b>14,760</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	6,600	4,190	2,420	1,200	350	14,760
% of all STEM Jobs	57%	20%	12%	8%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

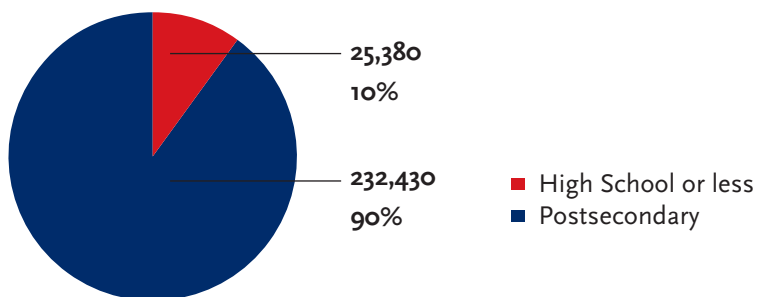
### Percent of North Dakota's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	1%	8%	5%	6%

## THE MAJORITY OF STEM JOBS IN OHIO WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	25,380	10%
Some College/No Degree	40,140	16%
Associate's degrees	34,950	14%
Bachelor's degrees	111,550	43%
Master's degrees	39,120	15%
Doctoral degrees	6,670	3%
<b>TOTAL<sup>Δ</sup></b>	<b>257,810</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	<b>TOTAL<sup>Δ</sup></b>
Number of Jobs	135,230	74,190	25,900	15,370	7,120	<b>257,810</b>
% of all STEM Jobs	49%	23%	17%	8%	3%	<b>100%</b>

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Ohio's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	3%	11%	8%	15%

Ohio

47

- Ohio will demand a total of 257,810 STEM jobs by 2018, up from 236,120 in 2008.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Ohio in 2018.
- This represents a 9 percent increase in STEM jobs, 8 percentage points below the national average.
- 52 percent of STEM jobs in Ohio will be in Computer Occupations by 2018.
- 8 percent of all jobs for Master's degree-holders and 15 percent of all jobs for PhD holders in Ohio will be in a STEM field by 2018.

## Oklahoma

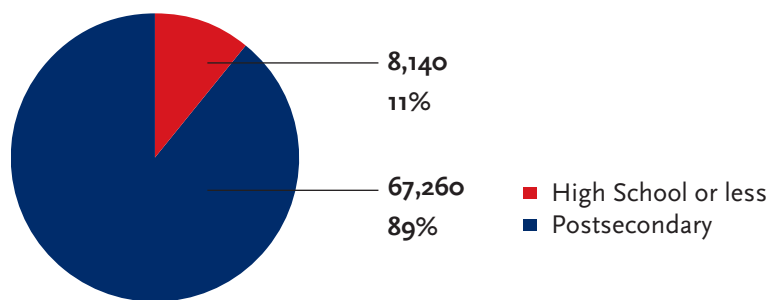
48

- Oklahoma will demand a total of 75,400 STEM jobs by 2018, up from 65,350 in 2008.
- 89 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Oklahoma in 2018.
- This represents a 15 percent increase in STEM jobs, 2 percentage points below the national average.
- 45 percent of STEM jobs in Oklahoma will be in Computer Occupations by 2018.
- 8 percent of all jobs for Master's degree-holders and 8 percent of all jobs for PhD holders in Oklahoma will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN OKLAHOMA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	8,140	11%
Some College/No Degree	17,110	23%
Associate's degrees	8,150	11%
Bachelor's degrees	31,980	42%
Master's degrees	8,900	12%
Doctoral degrees	1,120	1%
<b>TOTAL<sup>Δ</sup></b>	<b>75,400</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	33,820	22,220	11,560	6,010	1,780	75,390
% of all STEM Jobs	45%	29%	15%	8%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Oklahoma's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	4%	10%	8%	8%

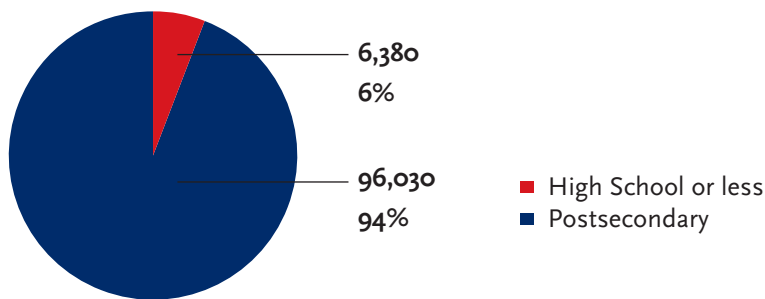
## Oregon

49

### THE MAJORITY OF STEM JOBS IN OREGON WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	6,380	6%
Some College/No Degree	16,930	17%
Associate's degrees	12,150	12%
Bachelor's degrees	44,220	43%
Master's degrees	17,580	17%
Doctoral degrees	5,150	5%
<b>TOTAL<sup>A</sup></b>	<b>102,410</b>	<b>100%</b>

<sup>A</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>A</sup>
Number of Jobs	44,870	29,470	17,470	8,250	2,360	102,420
% of all STEM Jobs	44%	29%	17%	8%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>A</sup>Totals may differ slightly due to rounding

### Percent of Oregon's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	7%	3%	11%	10%	25%

- Oregon will demand a total of 102,410 STEM jobs by 2018, up from 90,400 in 2008.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Oregon in 2018.
- This represents a 13 percent increase in STEM jobs, 4 percentage points below the national average.
- 44 percent of STEM jobs in Oregon will be in Computer Occupations by 2018.
- 10 percent of all jobs for Master's degree-holders and 25 percent of all jobs for PhD holders in Oregon will be in a STEM field by 2018.

## Pennsylvania

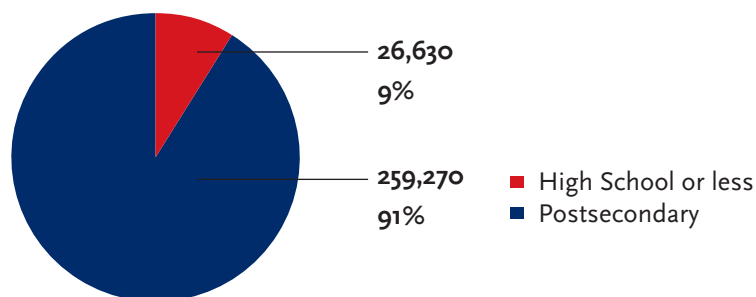
50

- Pennsylvania will demand a total of 285,900 STEM jobs by 2018, up from 263,780 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Pennsylvania in 2018.
- This represents an 8 percent increase in STEM jobs, 9 percentage points below the national average.
- 49 percent of STEM jobs in Pennsylvania will be in Computer Occupations by 2018.
- 9 percent of all jobs for Master's degree-holders and 17 percent of all jobs for PhD holders in Pennsylvania will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN PENNSYLVANIA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	26,630	9%
Some College/No Degree	36,360	13%
Associate's degrees	36,860	13%
Bachelor's degrees	122,230	43%
Master's degrees	51,880	18%
Doctoral degrees	11,940	4%
<b>TOTAL<sup>Δ</sup></b>	<b>285,900</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	139,460	79,960	39,000	20,130	7,340	285,890
% of all STEM Jobs	49%	28%	14%	7%	3%	100% <sup>Δ</sup>

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

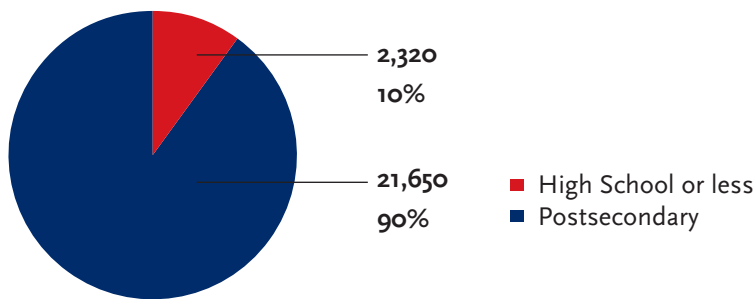
### Percent of Pennsylvania's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	3%	10%	9%	17%

## THE MAJORITY OF STEM JOBS IN RHODE ISLAND WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	2,320	10%
Some College/No Degree	2,930	12%
Associate's degrees	2,460	10%
Bachelor's degrees	10,930	46%
Master's degrees	4,670	20%
Doctoral degrees	660	3%
<b>TOTAL<sup>Δ</sup></b>	<b>23,970</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	11,940	7,270	2,920	1,210	630	23,970
% of all STEM Jobs	50%	30%	12%	5%	3%	100% <sup>Δ</sup>

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Rhode Island's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	10%	9%	12%

## Rhode Island

51

- Rhode Island will demand a total of 23,970 STEM jobs by 2018, up from 21,340 in 2008.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Rhode Island in 2018.
- This represents a 12 percent increase in STEM jobs, 5 percentage points below the national average.
- 50 percent of STEM jobs in Rhode Island will be in Computer Occupations by 2018.
- 9 percent of all jobs for Master's degree-holders and 12 percent of all jobs for PhD holders in Rhode Island will be in a STEM field by 2018.



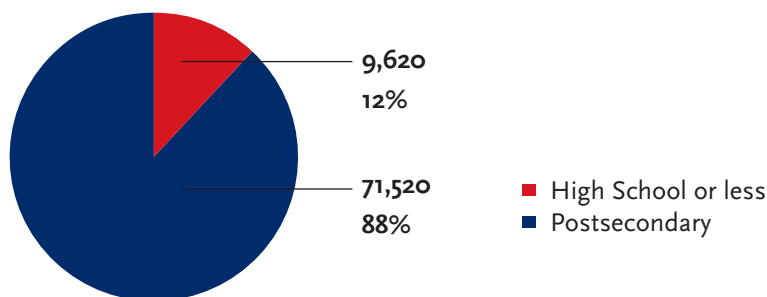
52

- South Carolina will demand a total of 81,140 STEM jobs by 2018, up from 71,990 in 2008.
- 88 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in South Carolina in 2018.
- This represents a 13 percent increase in STEM jobs, 4 percentage points below the national average.
- 40 percent of STEM jobs in South Carolina will be in Engineering and Technicians Occupations by 2018.
- 8 percent of all jobs for Master's degree-holders and 12 percent of all jobs for PhD holders in South Carolina will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN SOUTH CAROLINA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	9,620	12%
Some College/No Degree	12,530	15%
Associate's degrees	11,930	15%
Bachelor's degrees	33,650	41%
Master's degrees	11,780	15%
Doctoral degrees	1,630	2%
<b>TOTAL<sup>Δ</sup></b>	<b>81,140</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	30,100	32,640	8,780	8,040	1,590	81,150
% of all STEM Jobs	37%	40%	11%	10%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of South Carolina's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	3%	9%	8%	12%

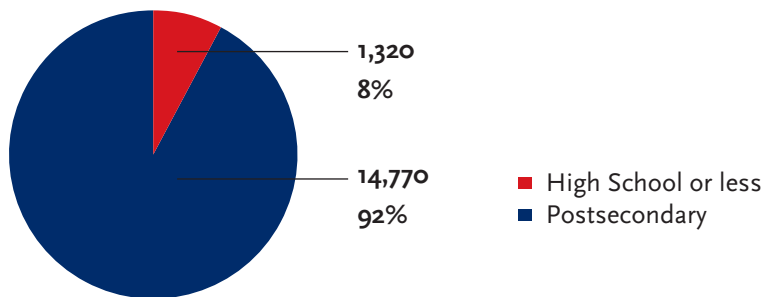
## South Dakota

53

### THE MAJORITY OF STEM JOBS IN SOUTH DAKOTA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	1,320	8%
Some College/No Degree	2,140	13%
Associate's degrees	2,250	14%
Bachelor's degrees	8,000	50%
Master's degrees	2,170	13%
Doctoral degrees	210	1%
<b>TOTAL<sup>Δ</sup></b>	<b>16,090</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	7,260	3,900	3,600	940	380	16,080
% of all STEM Jobs	45%	24%	22%	6%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of South Dakota's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	4%	2%	8%	8%	6%

- South Dakota will demand a total of 16,090 STEM jobs by 2018, up from 14,350 in 2008.
- 92 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 3 percent of all jobs in South Dakota in 2018.
- This represents a 12 percent increase in STEM jobs, 5 percentage points below the national average.
- 45 percent of STEM jobs in South Dakota will be in Computer Occupations by 2018.
- 8 percent of all jobs for Master's degree-holders and 6 percent of all jobs for PhD holders in South Dakota will be in a STEM field by 2018.

## Tennessee

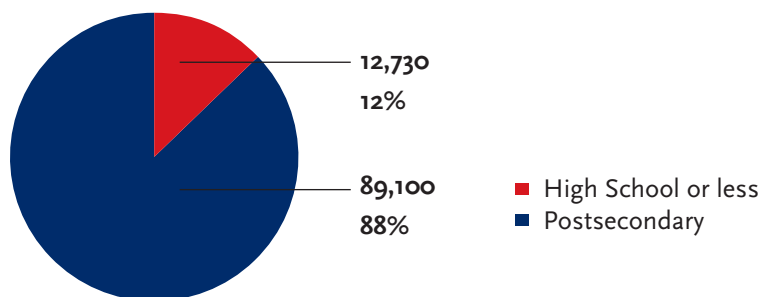
54

- Tennessee will demand a total of 101,830 STEM jobs by 2018, up from 88,230 in 2008.
- 88 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 3 percent of all jobs in Tennessee in 2018.
- This represents a 15 percent increase in STEM jobs, 2 percentage points below the national average.
- 47 percent of STEM jobs in Tennessee will be in Computer Occupations by 2018.
- 6 percent of all jobs for Master's degree-holders and 12 percent of all jobs for PhD holders in Tennessee will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN TENNESSEE WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	12,730	12%
Some College/No Degree	17,440	17%
Associate's degrees	12,830	13%
Bachelor's degrees	41,500	41%
Master's degrees	14,180	14%
Doctoral degrees	3,150	3%
<b>TOTAL<sup>Δ</sup></b>	<b>101,830</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

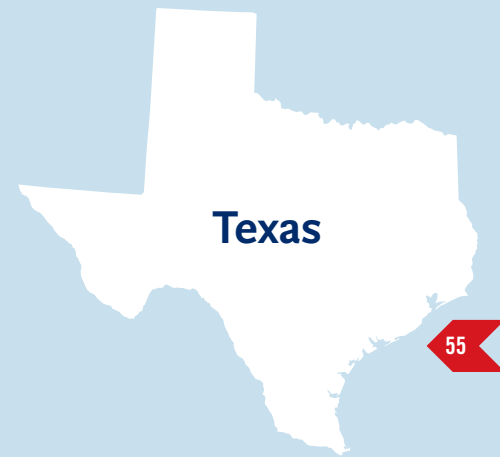
	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	47,380	30,790	12,120	9,050	2,490	101,830
% of all STEM Jobs	47%	30%	12%	9%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Tennessee's jobs that will be in STEM, by educational attainment

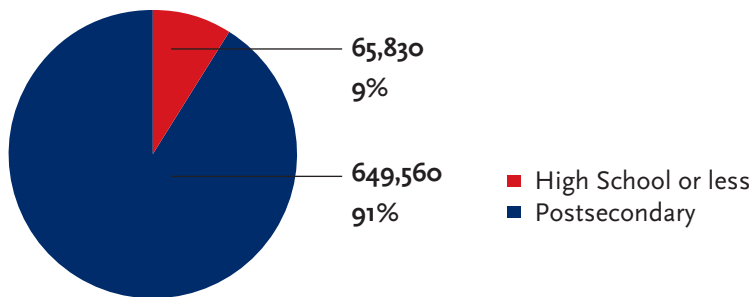
HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	2%	8%	6%	12%



### THE MAJORITY OF STEM JOBS IN TEXAS WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	65,830	9%
Some College/No Degree	120,540	17%
Associate's degrees	73,170	10%
Bachelor's degrees	298,470	42%
Master's degrees	131,420	18%
Doctoral degrees	25,960	4%
<b>TOTAL<sup>Δ</sup></b>	<b>715,390</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	<b>TOTAL<sup>Δ</sup></b>
Number of Jobs	328,470	221,330	91,010	57,290	17,290	<b>715,390</b>
% of all STEM Jobs	46%	31%	13%	8%	2%	<b>100%</b>

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Texas's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	7%	4%	12%	14%	25%

- Texas will demand a total of 715,390 STEM jobs by 2018, up from 584,120 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Texas in 2018.
- This represents a 22 percent increase in STEM jobs, 5 percentage points above the national average.
- 46 percent of STEM jobs in Texas will be in Computer Occupations by 2018.
- 14 percent of all jobs for Master's degree-holders and 25 percent of all jobs for PhD holders in Texas will be in a STEM field by 2018.

## Utah

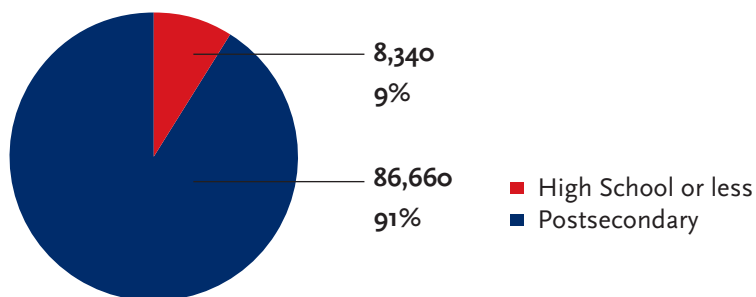
56

- Utah will demand a total of 95,000 STEM jobs by 2018, up from 71,360 in 2008.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 6 percent of all jobs in Utah in 2018.
- This represents a 33 percent increase in STEM jobs, 16 percentage points above the national average.
- 49 percent of STEM jobs in Utah will be in Computer Occupations by 2018.
- 12 percent of all jobs for Master's degree-holders and 18 percent of all jobs for PhD holders in Utah will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN UTAH WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	8,340	9%
Some College/No Degree	19,780	21%
Associate's degrees	10,060	11%
Bachelor's degrees	39,710	42%
Master's degrees	14,440	15%
Doctoral degrees	2,670	3%
<b>TOTAL<sup>Δ</sup></b>	<b>95,000</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	46,220	25,160	14,040	7,140	2,430	94,990
% of all STEM Jobs	49%	26%	15%	8%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Utah's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	6%	4%	12%	12%	18%

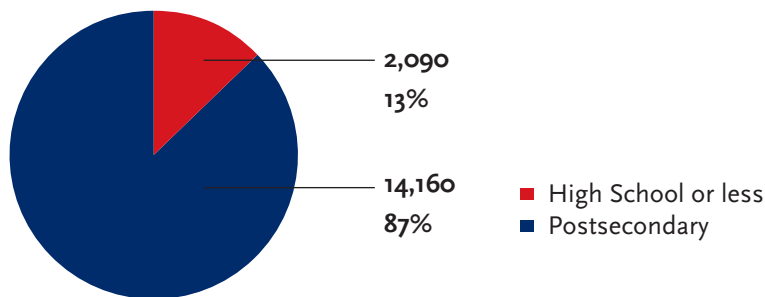
## Vermont

57

### THE MAJORITY OF STEM JOBS IN VERMONT WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	2,090	13%
Some College/No Degree	2,080	13%
Associate's degrees	2,050	13%
Bachelor's degrees	6,200	38%
Master's degrees	3,050	19%
Doctoral degrees	780	5%
<b>TOTAL<sup>Δ</sup></b>	<b>16,250</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	7,250	4,710	2,650	1,260	380	16,250
% of all STEM Jobs	45%	29%	16%	8%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Vermont's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
2%	6%	3%	8%	9%	18%

- Vermont will demand a total of 16,250 STEM jobs by 2018, up from 14,670 in 2008.
- 87 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Vermont in 2018.
- This represents an 11 percent increase in STEM jobs, 6 percentage points below the national average.
- 45 percent of STEM jobs in Vermont will be in Computer Occupations by 2018.
- 9 percent of all jobs for Master's degree-holders and 18 percent of all jobs for PhD holders in Vermont will be in a STEM field by 2018.

## Virginia

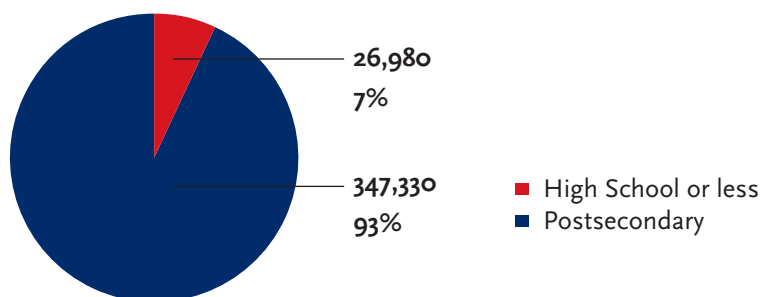
58

- Virginia will demand a total of 374,310 STEM jobs by 2018, up from 288,430 in 2008.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 8 percent of all jobs in Virginia in 2018.
- This represents a 30 percent increase in STEM jobs, 13 percentage points above the national average.
- 64 percent of STEM jobs in Virginia will be in Computer Occupations by 2018.
- 18 percent of all jobs for Master's degree-holders and 22 percent of all jobs for PhD holders in Virginia will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN VIRGINIA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	26,980	7%
Some College/No Degree	56,460	15%
Associate's degrees	31,090	8%
Bachelor's degrees	157,360	42%
Master's degrees	90,860	24%
Doctoral degrees	11,560	3%
<b>TOTAL<sup>Δ</sup></b>	<b>374,310</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	239,880	76,370	25,500	19,940	12,630	374,320
% of all STEM Jobs	64%	20%	7%	5%	3%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Virginia's jobs that will be in STEM, by educational attainment

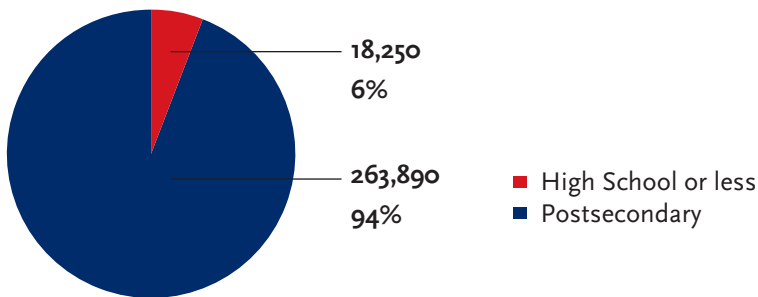
HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
2%	9%	6%	16%	18%	22%



## THE MAJORITY OF STEM JOBS IN WASHINGTON WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	18,250	6%
Some College/No Degree	38,850	14%
Associate's degrees	31,290	11%
Bachelor's degrees	122,840	44%
Master's degrees	57,850	21%
Doctoral degrees	13,060	5%
<b>TOTAL<sup>Δ</sup></b>	<b>282,140</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	<b>TOTAL<sup>Δ</sup></b>
Number of Jobs	141,580	77,940	37,080	18,090	7,450	<b>282,140</b>
% of all STEM Jobs	50%	28%	13%	6%	3%	<b>100%</b>

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Washington's Jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
2%	8%	5%	17%	18%	34%

- Washington will demand a total of 282,140 STEM jobs by 2018, up from 227,040 in 2008.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 8 percent of all jobs in Washington in 2018.
- This represents a 24 percent increase in STEM jobs, 7 percentage points above the national average.
- 50 percent of STEM jobs in Washington will be in Computer Occupations by 2018.
- 18 percent of all jobs for Master's degree-holders and 34 percent of all jobs for PhD holders in Washington will be in a STEM field by 2018.

## West Virginia

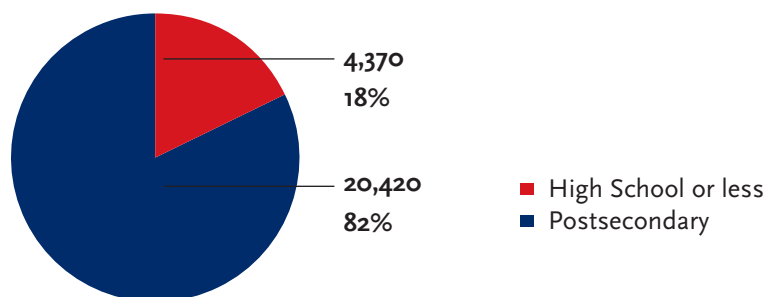
60

- West Virginia will demand a total of 24,790 STEM jobs by 2018, up from 22,140 in 2008.
- 82 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 3 percent of all jobs in West Virginia in 2018.
- This represents a 12 percent increase in STEM jobs, 5 percentage points below the national average.
- 34 percent of STEM jobs in West Virginia will be in Computer Occupations by 2018.
- 4 percent of all jobs for Master's degree-holders and 6 percent of all jobs for PhD holders in West Virginia will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN WEST VIRGINIA WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	4,370	18%
Some College/No Degree	4,520	18%
Associate's degrees	3,480	14%
Bachelor's degrees	9,770	39%
Master's degrees	2,410	10%
Doctoral degrees	240	1%
<b>TOTAL<sup>Δ</sup></b>	<b>24,790</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	8,360	8,280	5,510	2,200	440	24,790
% of all STEM Jobs	34%	33%	22%	9%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of West Virginia's jobs that will be in STEM, by educational attainment

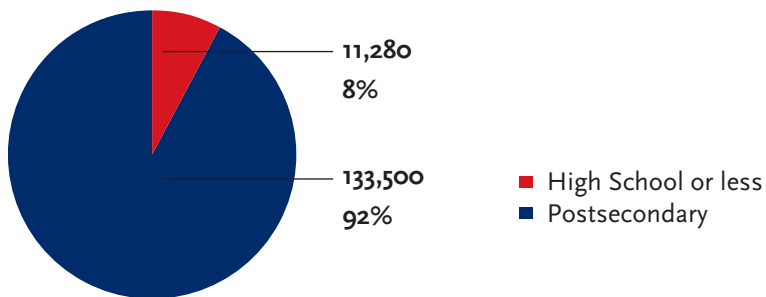
HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	5%	3%	9%	4%	6%



## THE MAJORITY OF STEM JOBS IN WISCONSIN WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	11,280	8%
Some College/No Degree	20,770	14%
Associate's degrees	23,870	16%
Bachelor's degrees	66,090	46%
Master's degrees	18,660	13%
Doctoral degrees	4,110	3%
<b>TOTAL<sup>Δ</sup></b>	<b>144,780</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



## Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	62,360	43,030	22,820	13,290	3,280	144,780
% of all STEM Jobs	43%	30%	16%	9%	2%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

## Percent of Wisconsin's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	7%	3%	11%	8%	17%

- Wisconsin will demand a total of 144,780 STEM jobs by 2018, up from 129,110 in 2008.
- 92 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 5 percent of all jobs in Wisconsin in 2018.
- This represents a 12 percent increase in STEM jobs, 5 percentage points below the national average.
- 43 percent of STEM jobs in Wisconsin will be in Computer Occupations by 2018.
- 8 percent of all jobs for Master's degree-holders and 17 percent of all jobs for PhD holders in Wisconsin will be in a STEM field by 2018.

## Wyoming

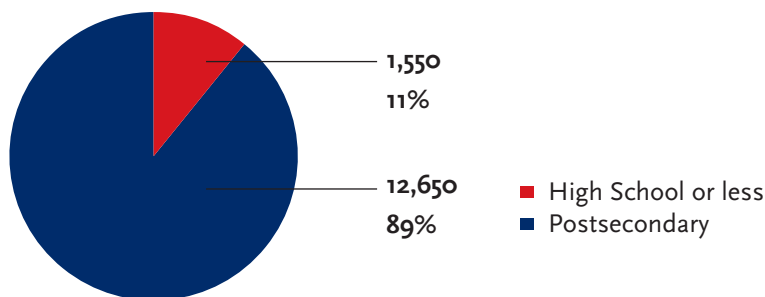
62

- Wyoming will demand a total of 14,200 STEM jobs by 2018, up from 11,490 in 2008.
- 89 percent of these jobs will require postsecondary education and training by 2018.
- STEM jobs will be 4 percent of all jobs in Wyoming in 2018.
- This represents a 24 percent increase in STEM jobs, 7 percentage points above the national average.
- 34 percent of STEM jobs in Wyoming will be in Engineering and Technical Occupations by 2018.
- 4 percent of all jobs for Master's degree-holders and 7 percent of all jobs for PhD holders in Wyoming will be in a STEM field by 2018.

### THE MAJORITY OF STEM JOBS IN WYOMING WILL REQUIRE POSTSECONDARY EDUCATION OR TRAINING BY 2018

High school or less	1,550	11%
Some College/No Degree	2,200	15%
Associate's degrees	1,640	12%
Bachelor's degrees	7,770	55%
Master's degrees	830	6%
Doctoral degrees	210	2%
<b>TOTAL<sup>Δ</sup></b>	<b>14,200</b>	<b>100%</b>

<sup>Δ</sup>Totals may differ slightly due to rounding



### Occupational Distribution of STEM Jobs through 2018

	COMPUTER OCCUPATIONS*	ENGINEERS & ENGINEERING TECHNICIANS	LIFE & PHYSICAL SCIENCE OCCUPATIONS	ARCHITECTS, SURVEYORS & TECHNICIANS	MATHEMATICAL SCIENCE OCCUPATIONS	TOTAL <sup>Δ</sup>
Number of Jobs	2,890	4,790	4,600	1,770	150	14,200
% of all STEM Jobs	20%	34%	32%	12%	1%	100%

\*Computer Technicians, Programmers, and Scientists

<sup>Δ</sup>Totals may differ slightly due to rounding

### Percent of Wyoming's jobs that will be in STEM, by educational attainment

HIGH SCHOOL OR LESS	SOME COLLEGE/ NO DEGREE	ASSOCIATE'S DEGREES	BACHELOR'S DEGREES	MASTER'S DEGREES	DOCTORAL DEGREES
1%	4%	2%	14%	4%	7%









## STEM

is comprised of a full report, a state report  
and an executive summary. All can be accessed at  
[cew.georgetown.edu/STEM](http://cew.georgetown.edu/STEM)

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