



GEORGETOWN UNIVERSITY



Center
on Education
and the Workforce

STEM

STATE-LEVEL ANALYSIS

SCIENCE
TECHNOLOGY
ENGINEERING
MATHEMATICS



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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.
- The share of STEM jobs in each state's, by education level;
- 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, including Nevada, 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%).
- For those with middle STEM skills, 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 that favor 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 occupations¹ are the largest of the STEM occupations. However, in Louisiana, Michigan, Mississippi, New Mexico, South Carolina, and Wyoming, jobs for Engineers and Engineering Technicians will comprise the largest of the STEM occupations in the state, and in Alaska and Montana, the largest STEM occupation will be Life and Physical Scientists.

¹ Including computer technicians, computer programmers, and computer scientists.

Alabama

4

- STEM jobs will be 4 percent of all jobs in Alabama in 2018.
- Alabama will demand a total of 105,570 STEM jobs by 2018, up from 89,730 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 12 percent of all MA jobs and 13 percent of all PhD jobs in Alabama will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN ALABAMA (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 9,970 | 10% |
| Some college | 17,670 | 17% |
| Associate's degrees | 12,170 | 12% |
| Bachelor's degrees | 46,620 | 44% |
| Master's degrees | 16,770 | 16% |
| Doctoral degrees | 2,360 | 2% |
| TOTAL | 105,570 | 100% |

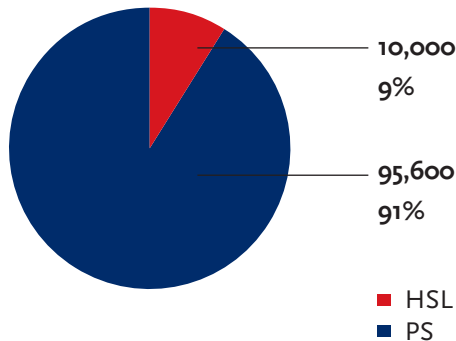
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 9,090 9% | 44,290 42% | 2,330 2% | 40,540 38% |
| | | | 9,320 9% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 3% | 13% | 10% | 13% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN ALASKA (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 1,920 | 10% |
| Some college | 3,070 | 16% |
| Associate's degrees | 2,460 | 13% |
| Bachelor's degrees | 7,130 | 38% |
| Master's degrees | 3,670 | 20% |
| Doctoral degrees | 570 | 3% |
| TOTAL | 18,820 | 100% |

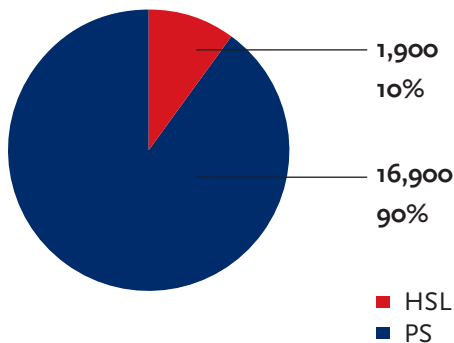
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 1,850 | 4,640 | 240 | 5,930 |
| 10% | 25% | 1% | 32% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 8% | 3% | 11% | 13% | 18% |



Alaska

5

- STEM jobs will be 5 percent of all jobs in Alaska in 2018.
- Alaska will demand a total of 18,820 STEM jobs by 2018, up from 17,070 in 2008.
- 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.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- 15 percent of all MA jobs and 18 percent of all PhD jobs in Alaska will be in a STEM field by 2018.

Arizona

6

- STEM jobs will be 5 percent of all jobs in Arizona in 2018.
- Arizona will demand a total of 153,730 STEM jobs by 2018, up from 132,270 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 12 percent of all MA jobs and 19 percent of all PhD jobs in Arizona will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN ARIZONA (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 13,680 | 9% |
| Some college | 29,470 | 19% |
| Associate's degrees | 17,770 | 12% |
| Bachelor's degrees | 63,630 | 41% |
| Master's degrees | 24,320 | 16% |
| Doctoral degrees | 4,860 | 3% |
| TOTAL | 153,730 | 100% |

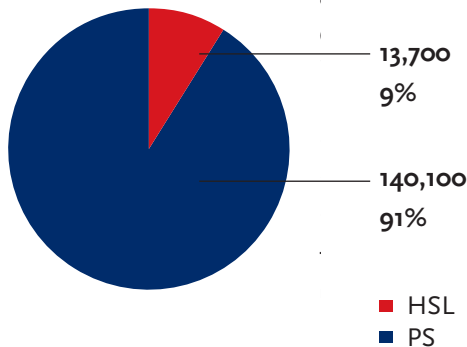
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 15,780 10% | 69,100 45% | 3,640 2% | 51,740 34% |
| | | | 13,470 9% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 4% | 11% | 10% | 19% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN ARKANSAS (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 6,380 | 13% |
| Some college | 10,380 | 22% |
| Associate's degrees | 4,890 | 10% |
| Bachelor's degrees | 20,750 | 43% |
| Master's degrees | 4,610 | 10% |
| Doctoral degrees | 840 | 2% |
| TOTAL | 47,860 | 100% |

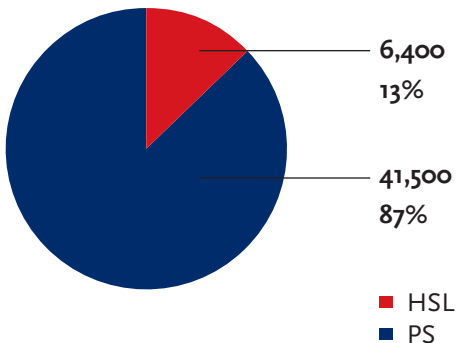
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* | MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------|----------------|----------------------------|----------------------------------|
| 4,290 | 22,720 | 1,200 | 12,680 | 6,970 |
| 9% | 47% | 2% | 26% | 15% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 10% | 6% | 8% |



Arkansas

7

- STEM jobs will be 3 percent of all jobs in Arkansas in 2018.
- Arkansas will demand a total of 47,860 STEM jobs by 2018, up from 38,650 in 2008.
- 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.
- 87 percent of these jobs will require postsecondary education and training by 2018.
- 10 percent of all BA jobs and 8 percent of all PhD jobs in Arkansas will be in a STEM field by 2018.

California

8

- STEM jobs will be 6 percent of all jobs in California in 2018.
- California will demand a total of 1.1 million STEM jobs by 2018, up from 894,860 in 2008.
- 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.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- 17 percent of all MA jobs and 29 percent of all PhD jobs in California will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN CALIFORNIA (2018)

| | | |
|---------------------|------------------|-------------|
| High school or less | 69,860 | 7% |
| Some college | 144,980 | 14% |
| Associate's degrees | 87,610 | 8% |
| Bachelor's degrees | 452,700 | 42% |
| Master's degrees | 242,200 | 23% |
| Doctoral degrees | 68,580 | 6% |
| TOTAL | 1,065,930 | 100% |

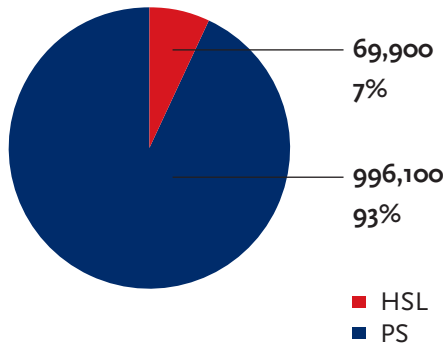
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 64,410 6% | 517,890 49% | 27,260 3% | 316,600 30% |
| | | | 139,780 13% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 4% | 11% | 14% | 29% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN COLORADO (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 13,030 | 6% |
| Some college | 32,100 | 15% |
| Associate's degrees | 17,800 | 8% |
| Bachelor's degrees | 99,950 | 45% |
| Master's degrees | 47,810 | 22% |
| Doctoral degrees | 9,160 | 4% |
| TOTAL | 219,850 | 100% |

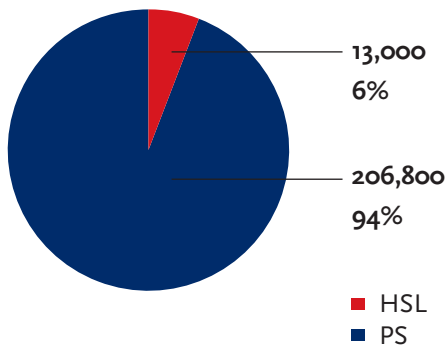
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 16,830 8% | 108,840 50% | 5,730 3% | 58,470 27% |
| | | | 29,980 14% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 5% | 13% | 15% | 28% |



Colorado

- STEM jobs will be 7 percent of all jobs in Colorado in 2018.
- Colorado will demand a total of 219,850 STEM jobs by 2018, up from 172,320 in 2008.
- 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.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- 18 percent of all MA jobs and 28 percent of all PhD jobs in Colorado will be in a STEM field by 2018.

Connecticut

10

- STEM jobs will be 6 percent of all jobs in Connecticut in 2018.
- Connecticut will demand a total of 107,840 STEM jobs by 2018, up from 95,630 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 11 percent of all MA jobs and 21 percent of all PhD jobs in Connecticut will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN CONNECTICUT (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 9,350 | 9% |
| Some college | 14,700 | 14% |
| Associate's degrees | 9,720 | 9% |
| Bachelor's degrees | 44,290 | 41% |
| Master's degrees | 25,010 | 23% |
| Doctoral degrees | 4,780 | 4% |
| TOTAL | 107,840 | 100% |

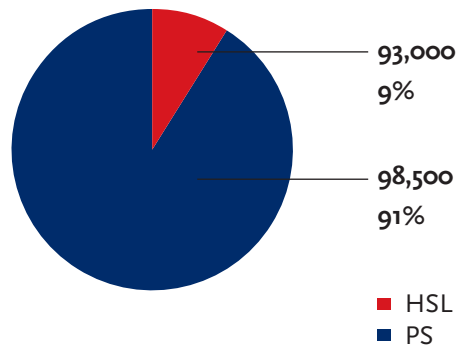
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 7,130 7% | 56,740 53% | 2,990 3% | 31,050 29% |
| | | | 9,940 9% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 4% | 10% | 10% | 21% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN DELAWARE (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 2,750 | 10% |
| Some college | 4,400 | 16% |
| Associate's degrees | 3,240 | 12% |
| Bachelor's degrees | 10,900 | 40% |
| Master's degrees | 4,830 | 18% |
| Doctoral degrees | 1,160 | 4% |
| TOTAL | 27,280 | 100% |

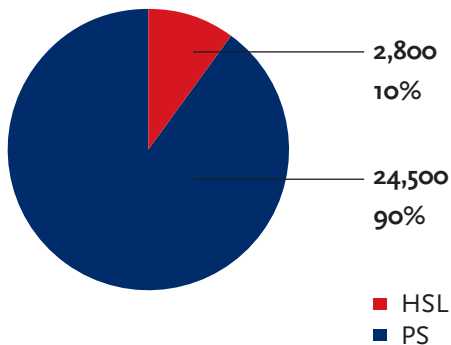
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 1,440 5% | 14,930 55% | 790 3% | 6,240 23% |
| | | | 3,900 14% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 7% | 5% | 12% | 10% | 20% |



Delaware

11

- STEM jobs will be 6 percent of all jobs in Delaware in 2018.
- Delaware will demand a total of 27,280 STEM jobs by 2018, up from 25,720 in 2008.
- 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.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- 12 percent of all MA jobs and 20 percent of all PhD jobs in Delaware will be in a STEM field by 2018.

Washington, DC

12

- STEM jobs will be 10 percent of all jobs in Washington D.C. in 2018.
- Washington D.C. will demand a total of 79,750 STEM jobs by 2018, up from 70,490 in 2008.
- 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.
- 92 percent of these jobs will require postsecondary education and training by 2018.
- 20 percent of all MA jobs and 19 percent of all PhD jobs in Washington D.C. will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN WASH., DC (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 6,430 | 8% |
| Some college | 8,140 | 10% |
| Associate's degrees | 1,610 | 2% |
| Bachelor's degrees | 30,340 | 38% |
| Master's degrees | 28,350 | 36% |
| Doctoral degrees | 4,880 | 6% |
| TOTAL | 79,750 | 100% |

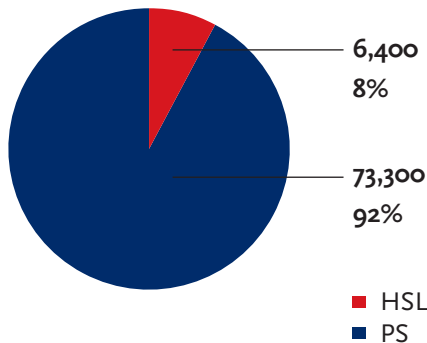
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 2,200 3% | 49,590 62% | 2,610 3 | 16,250 20% |
| | | | 9,100 11% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 3% | 6% | 7% | 16% | 15% | 19% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN FLORIDA (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 40,610 | 11% |
| Some college | 67,660 | 18% |
| Associate's degrees | 53,630 | 14% |
| Bachelor's degrees | 152,990 | 40% |
| Master's degrees | 63,200 | 16% |
| Doctoral degrees | 6,920 | 2% |
| TOTAL | 385,000 | 100% |

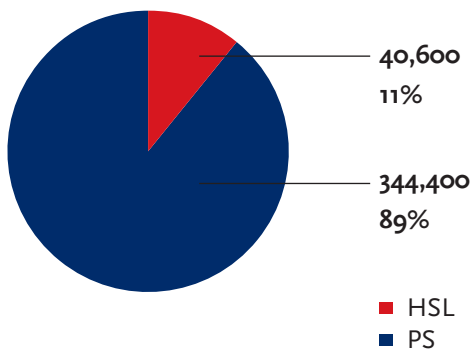
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 43,930 11% | 187,849 49% | 9,890 3% | 104,090 27% |
| | | | 39,260 10% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 9% | 9% | 10% |



- STEM jobs will be 4 percent of all jobs in Florida in 2018.
- Florida will demand a total of 385,000 STEM jobs by 2018, up from 322,560 in 2008.
- 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.
- 89 percent of these jobs will require postsecondary education and training by 2018.
- 11 percent of all MA jobs and 10 percent of all PhD jobs in Florida will be in a STEM field by 2018.

Georgia

14

- STEM jobs will be 4 percent of all jobs in Georgia in 2018.
- Georgia will demand a total of 196,640 STEM jobs by 2018, up from 168,650 in 2008.
- 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.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- 11 percent of all MA jobs and 10 percent of all PhD jobs in Georgia will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN GEORGIA (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 18,830 | 10% |
| Some college | 30,360 | 15% |
| Associate's degrees | 18,490 | 9% |
| Bachelor's degrees | 87,460 | 44% |
| Master's degrees | 37,180 | 19% |
| Doctoral degrees | 4,320 | 2% |
| TOTAL | 196,640 | 100% |

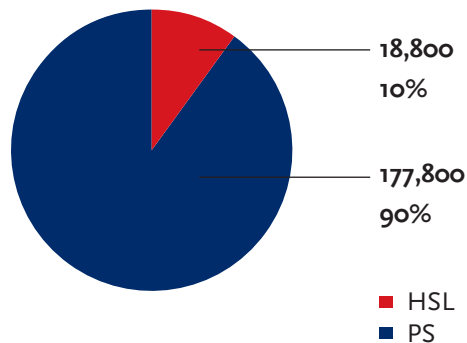
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 15,560 8% | 112,170 57% | 5,910 3% | 48,500 25% |
| | | | 14,510 7% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 9% | 9% | 10% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN HAWAII (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 1,070 | 4% |
| Some college | 3,900 | 15% |
| Associate's degrees | 3,110 | 12% |
| Bachelor's degrees | 11,230 | 44% |
| Master's degrees | 4,600 | 18% |
| Doctoral degrees | 1,440 | 6% |
| TOTAL | 25,350 | 100% |

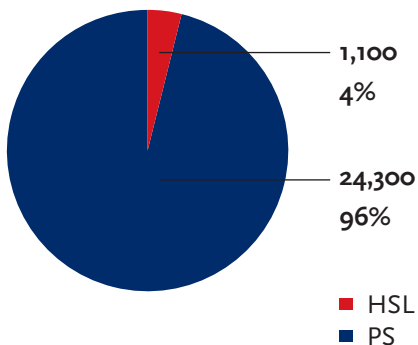
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 2,570 | 9,980 | 530 | 7,010 |
| 10% | 39% | 2% | 28% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 0% | 4% | 3% | 8% | 9% | 18% |



Hawaii

15

- STEM jobs will be 4 percent of all jobs in Hawaii in 2018.
- Hawaii will demand a total of 25,350 STEM jobs by 2018, up from 23,020 in 2008.
- 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.
- 96 percent of these jobs will require postsecondary education and training by 2018.
- 9 percent of all MA jobs and 18 percent of all PhD jobs in Hawaii will be in a STEM field by 2018.

Idaho

16

- STEM jobs will be 5 percent of all jobs in Idaho in 2018.
- Idaho will demand a total of 37,840 STEM jobs by 2018, up from 33,740 in 2008.
- 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.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- 12 percent of all MA jobs and 11 percent of all PhD in Idaho will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN IDAHO (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 3,800 | 10% |
| Some college | 6,820 | 18% |
| Associate's degrees | 4,590 | 12% |
| Bachelor's degrees | 16,910 | 45% |
| Master's degrees | 5,050 | 13% |
| Doctoral degrees | 670 | 2% |
| TOTAL | 37,840 | 100% |

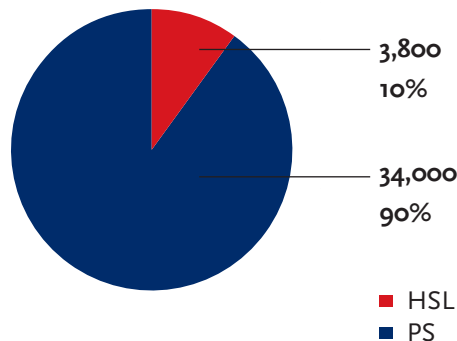
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 3,170 8% | 14,030 37% | 740 2% | 11,450 30% |
| | | | 8,450 22% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 3% | 12% | 10% | 11% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN ILLINOIS (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 21,480 | 7% |
| Some college | 43,890 | 14% |
| Associate's degrees | 31,530 | 10% |
| Bachelor's degrees | 143,920 | 45% |
| Master's degrees | 68,100 | 21% |
| Doctoral degrees | 10,900 | 3% |
| TOTAL | 319,820 | 100% |

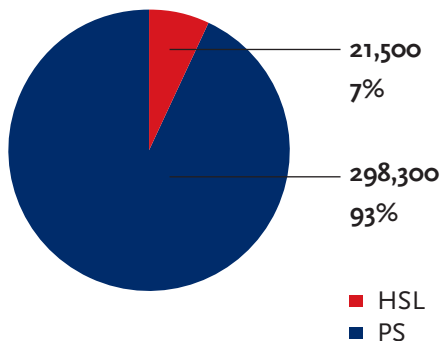
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 19,840 6% | 183,760 57% | 9,670 3% | 75,340 24% |
| | | | 31,210 10% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 10% | 10% | 15% |



Illinois

- STEM jobs will be 5 percent of all jobs in Illinois in 2018.
- Illinois will demand a total of 319,820 STEM jobs by 2018, up from 266,900 in 2008.
- 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.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- 12 percent of all MA jobs and 15 percent of all PhD jobs in Illinois will be in a STEM field by 2018.

Indiana

18

- STEM jobs will be 4 percent of all jobs in Indiana in 2018.
- Indiana will demand a total of 115,560 STEM jobs by 2018, up from 105,560 in 2008.
- 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.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- 10 percent of all MA jobs and 16 percent of all PhD jobs in Indiana will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN INDIANA (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 11,390 | 10% |
| Some college | 18,250 | 16% |
| Associate's degrees | 15,970 | 14% |
| Bachelor's degrees | 49,600 | 43% |
| Master's degrees | 16,170 | 14% |
| Doctoral degrees | 4,190 | 4% |
| TOTAL | 115,560 | 100% |

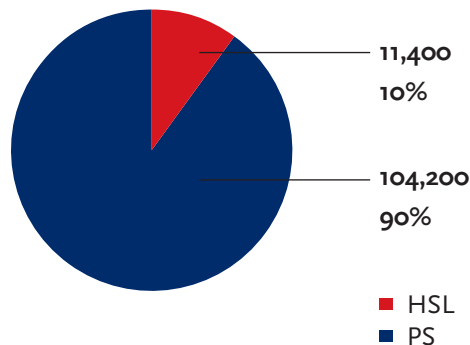
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 10,230 9% | 50,050 43% | 2,640 2% | 36,750 32% |
| | | | 15,890 14% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 9% | 8% | 16% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN IOWA (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 6,050 | 9% |
| Some college | 11,390 | 17% |
| Associate's degrees | 10,250 | 15% |
| Bachelor's degrees | 29,080 | 43% |
| Master's degrees | 8,900 | 13% |
| Doctoral degrees | 1,660 | 2% |
| TOTAL | 67,330 | 100% |

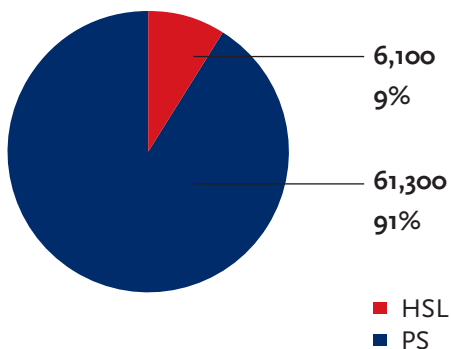
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 4,320 6% | 34,930 52% | 1,840 3% | 16,110 24% |
| | | | 10,130 15% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 2% | 8% | 8% | 12% |



Iowa

19

- STEM jobs will be 4 percent of all jobs in Iowa in 2018.
- Iowa will demand a total of 67,330 STEM jobs by 2018, up from 57,830 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 10 percent of all MA jobs and 12 percent of all PhD jobs in Iowa will be in a STEM field by 2018.

Kansas

20

- STEM jobs will be 4 percent of all jobs in Kansas in 2018.
- Kansas will demand a total of 74,720 STEM jobs by 2018, up from 64,000 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 10 percent of all MA jobs and 14 percent of all PhD jobs in Kansas will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN KANSAS (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 6,450 | 9% |
| Some college | 12,070 | 16% |
| Associate's degrees | 7,080 | 9% |
| Bachelor's degrees | 35,390 | 47% |
| Master's degrees | 11,730 | 16% |
| Doctoral degrees | 2,010 | 3% |
| TOTAL | 74,720 | 100% |

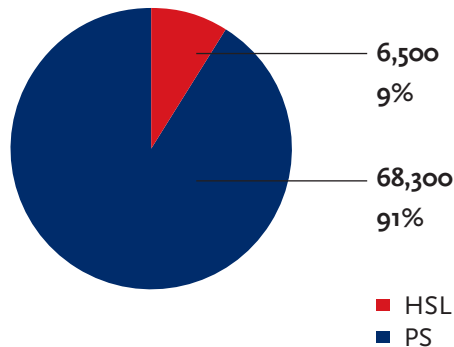
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 5,190 7% | 34,910 47% | 1,840 2% | 25,020 33% |
| | | | 7,770 10% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 10% | 9% | 14% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN KENTUCKY (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 8,270 | 12% |
| Some college | 12,890 | 19% |
| Associate's degrees | 9,050 | 13% |
| Bachelor's degrees | 27,950 | 40% |
| Master's degrees | 10,340 | 15% |
| Doctoral degrees | 990 | 1% |
| TOTAL | 69,490 | 100% |

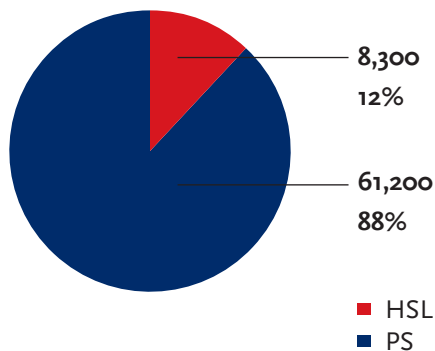
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 5,400 8% | 34,160 49% | 1,800 3% | 19,450 28% |
| | | | 8,690 13% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 9% | 6% | 7% |



Kentucky

21

- STEM jobs will be 3 percent of all jobs in Kentucky in 2018.
- Kentucky will demand a total of 69,490 STEM jobs by 2018, up from 62,700 in 2008.
- 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.
- 88 percent of these jobs will require postsecondary education and training by 2018.
- 8 percent of all MA jobs and 7 percent of all PhD jobs in Kentucky will be in a STEM field by 2018.

Louisiana

22

- STEM jobs will be 3 percent of all jobs in Louisiana in 2018.
- Louisiana will demand a total of 66,250 STEM jobs by 2018, up from 61,610 in 2008.
- 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.
- 83 percent of these jobs will require postsecondary education and training by 2018.
- 8 percent of all BA and MA jobs and 12 percent of all PhD jobs in Louisiana will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN LOUISIANA (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 11,490 | 17% |
| Some college | 11,840 | 18% |
| Associate's degrees | 5,520 | 8% |
| Bachelor's degrees | 27,670 | 42% |
| Master's degrees | 7,800 | 12% |
| Doctoral degrees | 1,930 | 3% |
| TOTAL | 66,250 | 100% |

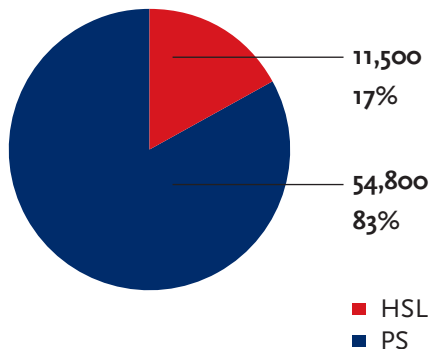
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 9,900 15% | 18,980 29% | 1,000 2% | 24,480 37% |
| | | | 11,880 18% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 4% | 2% | 8% | 6% | 12% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN MAINE (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 3,030 | 13% |
| Some college | 3,810 | 17% |
| Associate's degrees | 3,080 | 13% |
| Bachelor's degrees | 9,800 | 43% |
| Master's degrees | 2,600 | 11% |
| Doctoral degrees | 680 | 3% |
| TOTAL | 22,980 | 100% |

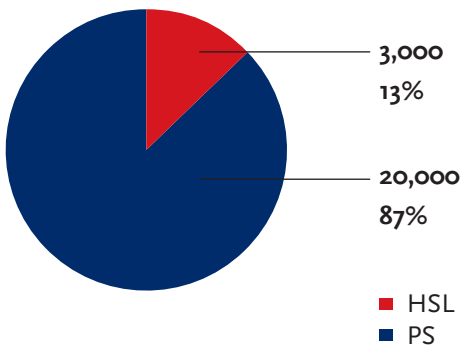
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 2,630 | 9,470 | 500 | 6,420 |
| 11% | 41% | 2% | 28% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 4% | 3% | 8% | 5% | 12% |



Maine

- STEM jobs will be 3 percent of all jobs in Maine in 2018.
- Maine will demand a total of 22,980 STEM jobs by 2018, up from 21,540 in 2008.
- 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.
- 87 percent of these jobs will require postsecondary education and training by 2018.
- 6 percent of all MA jobs and 12 percent of all PhD jobs in Maine will be in a STEM field by 2018.

Maryland

24

- STEM jobs will be 7 percent of all jobs in Maryland in 2018.
- Maryland will demand a total of 224,710 STEM jobs by 2018, up from 190,950 in 2008.
- 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.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- 17 percent of all MA jobs and 33 percent of all PhD jobs in Maryland will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN MARYLAND (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 15,360 | 7% |
| Some college | 32,850 | 15% |
| Associate's degrees | 16,880 | 8% |
| Bachelor's degrees | 84,500 | 38% |
| Master's degrees | 56,250 | 25% |
| Doctoral degrees | 18,870 | 8% |
| TOTAL | 224,710 | 100% |

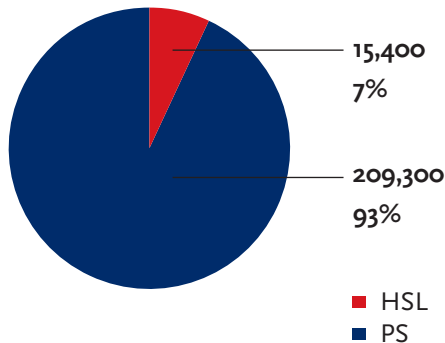
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 11,490 5% | 121,030 54% | 6,370 3% | 54,160 24% |
| | | | 31,660 14% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 7% | 5% | 13% | 14% | 33% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN MASS. (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 16,030 | 6% |
| Some college | 29,660 | 11% |
| Associate's degrees | 17,020 | 6% |
| Bachelor's degrees | 119,230 | 43% |
| Master's degrees | 69,190 | 25% |
| Doctoral degrees | 26,140 | 9% |
| TOTAL | 277,280 | 100% |

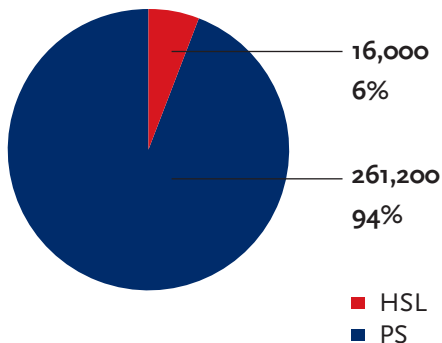
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 13,050 5% | 145,920 53% | 7,680 3% | 70,320 25% |
| | | | 40,310 15% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 5% | 13% | 14% | 33% |



Massachusetts

25

- STEM jobs will be 8 percent of all jobs in Massachusetts in 2018.
- Massachusetts will demand a total of 277,280 STEM jobs by 2018, up from 239,020 in 2008.
- 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.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- 16 percent of all MA jobs and 33 percent of all PhD jobs in Massachusetts will be in a STEM field by 2018.

Michigan

26

- STEM jobs will be 6 percent of all jobs in Michigan in 2018.
- Michigan will demand a total of 257,410 STEM jobs by 2018, up from 246,530 in 2008.
- 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.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- 16 percent of all MA jobs and 18 percent of all PhD jobs in Michigan will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN MICHIGAN (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 15,700 | 6% |
| Some college | 38,550 | 15% |
| Associate's degrees | 30,570 | 12% |
| Bachelor's degrees | 110,110 | 43% |
| Master's degrees | 55,060 | 21% |
| Doctoral degrees | 7,430 | 3% |
| TOTAL | 257,410 | 100% |

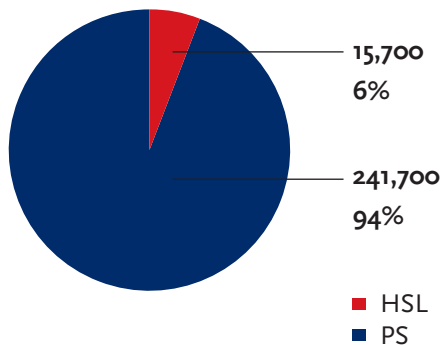
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 11,690 5% | 103,140 40% | 5,430 2% | 115,710 45% |
| | | | 21,440 8% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 7% | 3% | 13% | 13% | 18% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN MINNESOTA (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 10,220 | 6% |
| Some college | 26,480 | 15% |
| Associate's degrees | 22,680 | 13% |
| Bachelor's degrees | 82,070 | 48% |
| Master's degrees | 24,480 | 14% |
| Doctoral degrees | 4,900 | 3% |
| TOTAL | 277,280 | 100% |

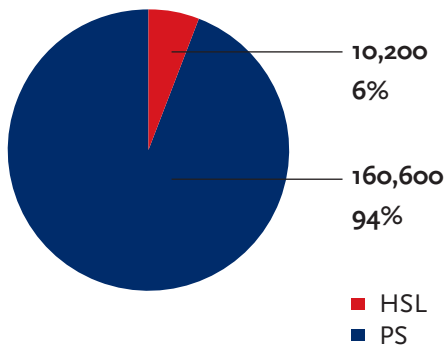
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 11,060 6% | 91,410 54% | 4,810 3% | 44,830 26% |
| | | | 18,720 11% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 4% | 11% | 9% | 17% |



Minnesota

27

- STEM jobs will be 5 percent of all jobs in Minnesota in 2018.
- Minnesota will demand a total of 170,840 STEM jobs by 2018, up from 151,310 in 2008.
- 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.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- 11 percent of all BA and MA jobs and 17 percent of all PhD jobs in Minnesota will be in a STEM field by 2018.

Mississippi

28

- STEM jobs will be 3 percent of all jobs in Mississippi in 2018.
- Mississippi will demand a total of 42,970 STEM jobs by 2018, up from 36,260 in 2008.
- 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.
- 87 percent of these jobs will require postsecondary education and training by 2018.
- 7 percent of all MA jobs and 12 percent of all PhD jobs in Mississippi will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN MISSISSIPPI (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 5,540 | 13% |
| Some college | 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% |
| TOTAL | 42,970 | 100% |

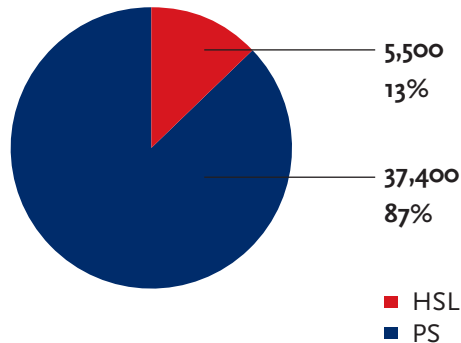
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 5,810 14% | 12,950 30% | 680 2% | 17,230 40% |
| | | | 6,300 15% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 8% | 6% | 12% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN MISSOURI (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 10,730 | 8% |
| Some college | 23,700 | 18% |
| Associate's degrees | 14,250 | 11% |
| Bachelor's degrees | 59,220 | 44% |
| Master's degrees | 20,990 | 16% |
| Doctoral degrees | 4,300 | 3% |
| TOTAL | 133,170 | 100% |

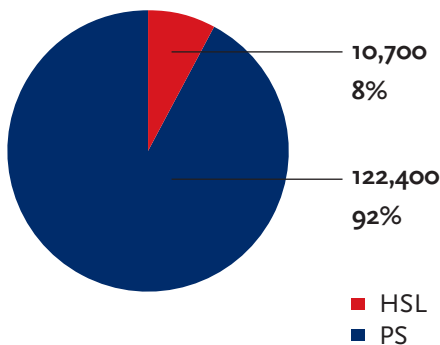
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 9,850 7% | 70,960 53% | 3,740 3% | 32,380 24% |
| | | | 16,250 12% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 3% | 10% | 8% | 15% |



Missouri

29

- STEM jobs will be 4 percent of all jobs in Missouri in 2018.
- Missouri will demand a total of 133,170 STEM jobs by 2018, up from 119,920 in 2008.
- 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.
- 92 percent of these jobs will require postsecondary education and training by 2018.
- 10 percent of all MA jobs and 15 percent of all PhD jobs in Missouri will be in a STEM field by 2018.

Montana

30

- STEM jobs will be 4 percent of all jobs in Montana in 2018.
- Montana will demand a total of 23,380 STEM jobs by 2018, up from 20,030 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 15 percent of all MA jobs and 13 percent of all PhD jobs in Montana will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN MONTANA (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 2,240 | 10% |
| Some college | 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% |
| TOTAL | 23,380 | 100% |

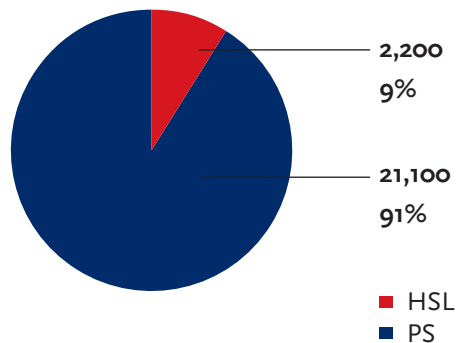
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 3,090 13% | 7,080 30% | 370 2% | 4,980 21% |
| | | | 7,860 34% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 4% | 2% | 11% | 13% | 13% |



Nebraska

31

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN NEBRASKA (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 3,140 | 7% |
| Some college | 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% |
| TOTAL | 44,120 | 100% |

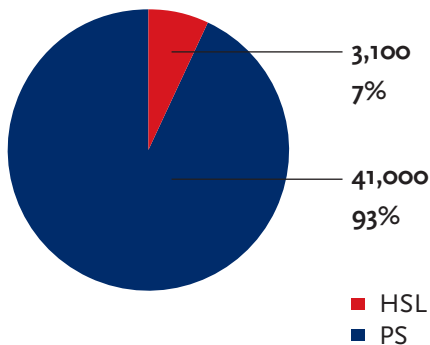
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 3,240 7% | 25,580 58% | 1,350 3% | 8,880 20% |
| | | | 5,070 11% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 9% | 8% | 11% |



- STEM jobs will be 4 percent of all jobs in Nebraska in 2018.
- Nebraska will demand a total of 44,120 STEM jobs by 2018, up from 38,960 in 2008.
- 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.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- 10 percent of all MA jobs and 11 percent of all PhD jobs in Nebraska will be in a STEM field by 2018.

Nevada

32

- STEM jobs will be 3 percent of all jobs in Nevada in 2018.
- Nevada will demand a total of 49,460 STEM jobs by 2018, up from 37,220 in 2008.
- 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.
- 84 percent of these jobs will require postsecondary education and training by 2018.
- 8 percent of all MA jobs and 12 percent of all PhD jobs in Nevada will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN NEVADA (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 7,650 | 15% |
| Some college | 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% |
| TOTAL | 49,460 | 100% |

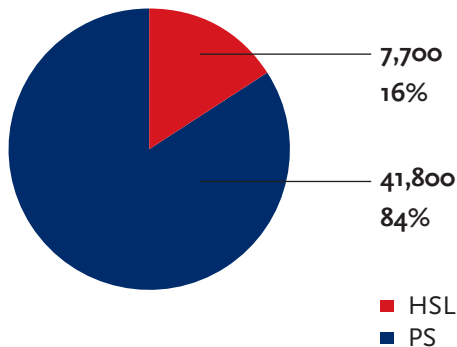
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 5,820 12% | 19,740 40% | 1,040 2% | 15,350 31% |
| | | | 7,510 15% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 4% | 3% | 7% | 6% | 12% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN N.H. (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 4,110 | 10% |
| Some college | 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% |
| TOTAL | 40,830 | 100% |

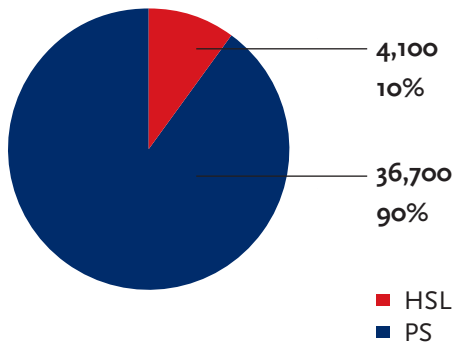
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 2,630 6% | 22,080 54% | 1,160 3% | 11,090 27% |
| | | | 3,860 9% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 4% | 4% | 10% | 11% | 19% |



New Hampshire

33

- STEM jobs will be 5 percent of all jobs in New Hampshire in 2018.
- New Hampshire will demand a total of 40,830 STEM jobs by 2018, up from 34,870 in 2008.
- 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.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- 13 percent of all MA jobs and 19 percent of all PhD jobs in New Hampshire will be in a STEM field by 2018.

New Jersey

34

- STEM jobs will be 6 percent of all jobs in New Jersey in 2018.
- New Jersey will demand a total of 248,240 STEM jobs by 2018, up from 223,190 in 2008.
- 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.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- 16 percent of all MA jobs and 25 percent of all PhD jobs in New Jersey will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN NEW JERSEY (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 18,060 | 7% |
| Some college | 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% |
| TOTAL | 248,240 | 100% |

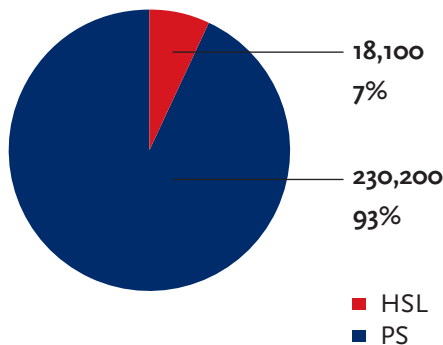
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 14,480 6% | 145,860 59% | 7,680 3% | 48,340 19% |
| | | | 31,890 13% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 4% | 10% | 14% | 25% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN NEW MEXICO (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 3,540 | 7% |
| Some college | 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% |
| TOTAL | 49,340 | 100% |

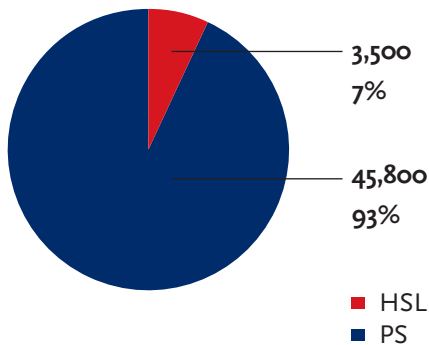
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 3,410 7% | 15,360 31% | 810 2% | 19,200 39% |
| | | | 10,550 21% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 8% | 3% | 11% | 13% | 35% |



New Mexico

35

- STEM jobs will be 5 percent of all jobs in New Mexico in 2018.
- New Mexico will demand a total of 49,340 STEM jobs by 2018, up from 46,360 in 2008.
- 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.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- 15 percent of all MA jobs and 35 percent of all PhD jobs in New Mexico will be in a STEM field by 2018.

New York

36

- STEM jobs will be 4 percent of all jobs in New York in 2018.
- New York will demand a total of 423,200 STEM jobs by 2018, up from 385,140 in 2008.
- 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.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- 8 percent of all MA jobs and 19 percent of all PhD jobs in New York will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN NEW YORK (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 28,110 | 7% |
| Some college | 48,450 | 11% |
| Associate's degrees | 47,730 | 11% |
| Bachelor's degrees | 184,450 | 44% |
| Master's degrees | 91,970 | 22% |
| Doctoral degrees | 22,480 | 5% |
| TOTAL | 423,200 | 100% |

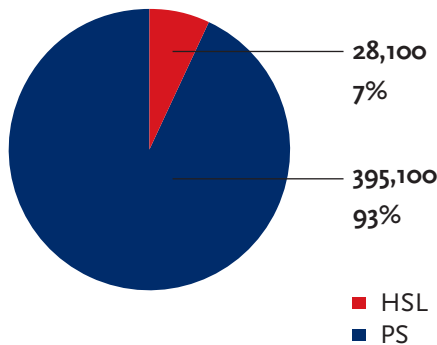
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 32,210 8% | 239,500 57% | 12,610 3% | 86,720 20% |
| | | | 52,160 12% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 9% | 7% | 19% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN N.C. (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 18,970 | 9% |
| Some college | 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% |
| TOTAL | 212,820 | 100% |

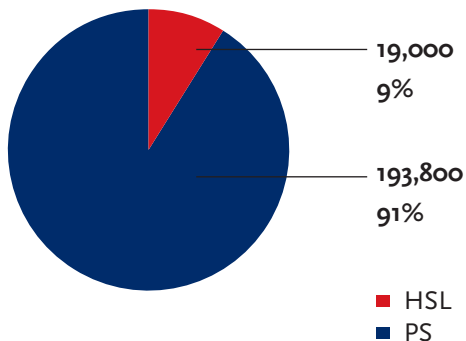
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 17,280 8% | 104,720 49% | 5,510 3% | 49,660 23% |
| | | | 35,650 17% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 10% | 11% | 17% |



North Carolina

37

- STEM jobs will be 4 percent of all jobs in North Carolina in 2018.
- North Carolina will demand a total of 212,820 STEM jobs by 2018, up from 182,570 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 12 percent of all MA jobs and 17 percent of all PhD jobs in North Carolina will be in a STEM field by 2018.

North Dakota

38

- STEM jobs will be 4 percent of all jobs in North Dakota in 2018.
- North Dakota will demand a total of 14,760 STEM jobs by 2018, up from 12,420 in 2008.
- 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.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- 6 percent of all MA and PhD jobs in North Dakota will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN N.D. (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 1,150 | 8% |
| Some college | 3,510 | 24% |
| Associate's degrees | 1,290 | 9% |
| Bachelor's degrees | 7,500 | 51% |
| Master's degrees | 1,110 | 8% |
| Doctoral degrees | 200 | 1% |
| TOTAL | 14,760 | 100% |

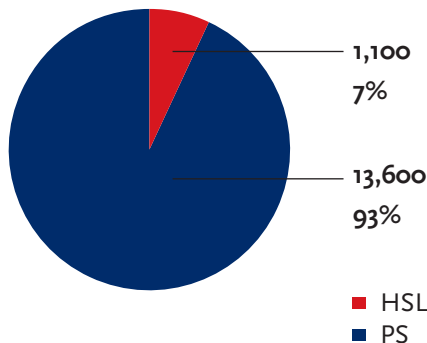
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 1,200 8% | 6,600 45% | 350 2% | 4,190 28% |
| | | | 2,420 16% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 1% | 8% | 5% | 6% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN OHIO (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 25,380 | 10% |
| Some college | 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% |
| TOTAL | 257,800 | 100% |

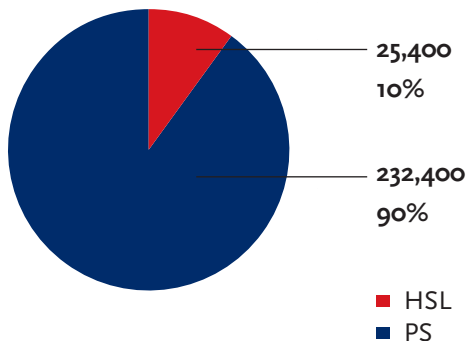
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 15,370 6% | 135,230 52% | 7,120 3% | 74,190 29% |
| | | | 25,900 10% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 3% | 11% | 8% | 15% |



Ohio

39

- STEM jobs will be 4 percent of all jobs in Ohio in 2018.
- Ohio will demand a total of 257,800 STEM jobs by 2018, up from 236,120 in 2008.
- 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.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- 10 percent of all MA jobs and 15 percent of all PhD jobs in Ohio will be in a STEM field by 2018.

Oklahoma

40

- STEM jobs will be 4 percent of all jobs in Oklahoma in 2018.
- Oklahoma will demand a total of 75,390 STEM jobs by 2018, up from 65,350 in 2008.
- 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.
- 89 percent of these jobs will require postsecondary education and training by 2018.
- 10 percent of all BA jobs and 9 percent of all MA jobs in Oklahoma will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN OKLAHOMA (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 8,140 | 11% |
| Some college | 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% |
| TOTAL | 75,390 | 100% |

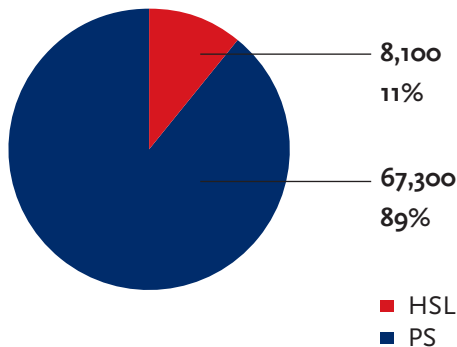
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 6,010 8% | 33,820 45% | 1,780 2% | 22,220 29% |
| | | | 11,560 15% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 4% | 10% | 8% | 8% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN OREGON (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 6,380 | 6% |
| Some college | 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% |
| TOTAL | 102,420 | 100% |

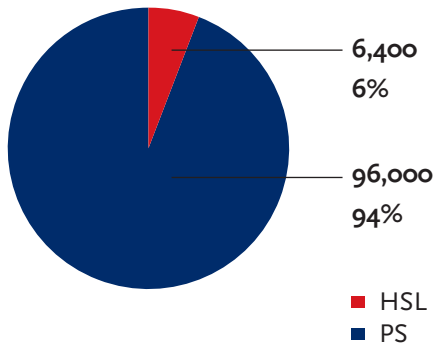
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 8,250 8% | 44,870 44% | 2,360 2% | 29,470 29% |
| | | | 17,470 17% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 7% | 3% | 11% | 10% | 25% |



Oregon

41

- STEM jobs will be 5 percent of all jobs in Oregon in 2018.
- Oregon will demand a total of 102,420 STEM jobs by 2018, up from 90,400 in 2008.
- 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.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- 11 percent of all BA and MA jobs and 25 percent of all PhD jobs in Oregon will be in a STEM field by 2018.

Pennsylvania

42

- STEM jobs will be 5 percent of all jobs in Pennsylvania in 2018.
- Pennsylvania will demand a total of 285,890 STEM jobs by 2018, up from 263,780 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 11 percent of all MA jobs and 17 percent of all PhD jobs in Pennsylvania will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN PA. (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 26,630 | 9% |
| Some college | 36,860 | 13% |
| Associate's degrees | 36,360 | 13% |
| Bachelor's degrees | 122,230 | 43% |
| Master's degrees | 51,880 | 18% |
| Doctoral degrees | 11,940 | 4% |
| TOTAL | 285,890 | 100% |

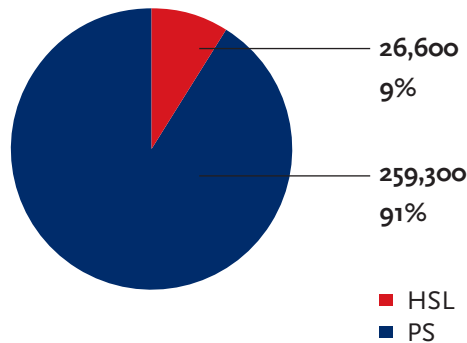
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 20,130 7% | 139,460 49% | 7,340 3% | 79,960 28% |
| | | | 39,000 14% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 3% | 10% | 9% | 17% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN R.I. (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 2,320 | 10% |
| Some college | 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% |
| TOTAL | 23,960 | 100% |

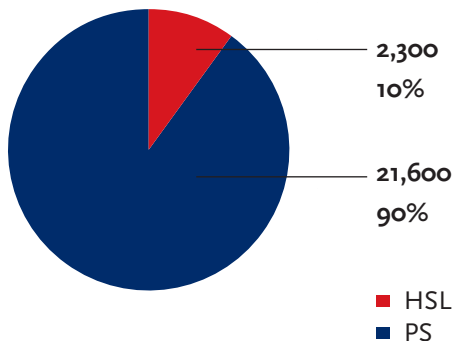
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 1,210 | 11,940 | 630 | 7,270 |
| 5% | 50% | 3% | 30% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 10% | 9% | 12% |



Rhode Island

43

- STEM jobs will be 5 percent of all jobs in Rhode Island in 2018.
- Rhode Island will demand a total of 23,960 STEM jobs by 2018, up from 21,340 in 2008.
- 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.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- 10 percent of all MA jobs and 12 percent of all PhD jobs in Rhode Island will be in a STEM field by 2018.

South Carolina

44

- STEM jobs will be 5 percent of all jobs in South Carolina in 2018.
- South Carolina will demand a total of 81,140 STEM jobs by 2018, up from 71,990 in 2008.
- 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.
- 88 percent of these jobs will require postsecondary education and training by 2018.
- 8 percent of all MA jobs and 12 percent of all PhD jobs in South Carolina will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN S.C. (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 9,620 | 12% |
| Some college | 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% |
| TOTAL | 81,140 | 100% |

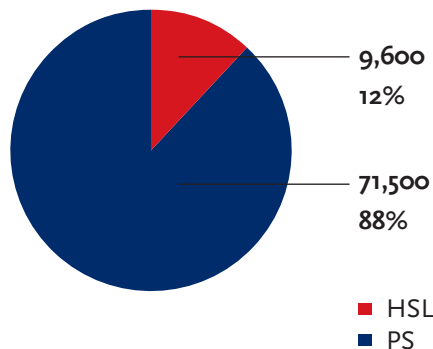
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 8,040 10% | 30,100 37% | 1,590 2% | 32,640 40% |
| | | | 8,780 11% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 3% | 9% | 8% | 12% |



South Dakota

45

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN S.D. (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 1,320 | 8% |
| Some college | 2,250 | 14% |
| Associate's degrees | 2,140 | 13% |
| Bachelor's degrees | 8,000 | 50% |
| Master's degrees | 2,170 | 13% |
| Doctoral degrees | 210 | 1% |
| TOTAL | 16,090 | 100% |

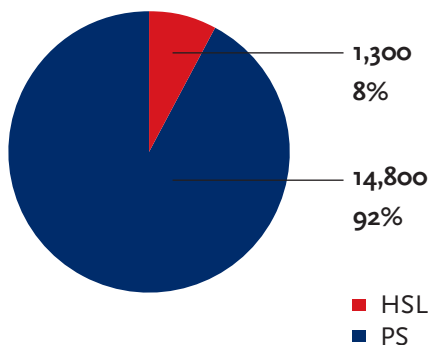
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 940 6% | 7,260 45% | 380 2% | 3,900 24% |
| | | | 3,600 22% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 4% | 2% | 8% | 8% | 6% |



- STEM jobs will be 3 percent of all jobs in South Dakota in 2018.
- South Dakota will demand a total of 16,090 STEM jobs by 2018, up from 14,350 in 2008.
- 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.
- 92 percent of these jobs will require postsecondary education and training by 2018.
- 9 percent of all MA jobs and 6 percent of all PhD jobs in South Dakota will be in a STEM field by 2018.

Tennessee

46

- STEM jobs will be 3 percent of all jobs in Tennessee in 2018.
- Tennessee will demand a total of 101,820 STEM jobs by 2018, up from 88,230 in 2008.
- 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.
- 88 percent of these jobs will require postsecondary education and training by 2018.
- 7 percent of all MA jobs and 12 percent of all PhD jobs in Tennessee will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN TENNESSEE (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 12,730 | 12% |
| Some college | 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% |
| TOTAL | 101,820 | 100% |

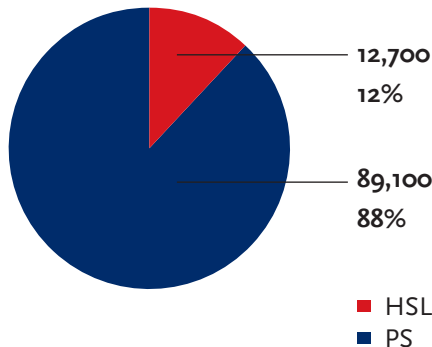
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 9,050 9% | 47,380 47% | 2,490 2% | 30,790 30% |
| | | | 12,120 12% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 2% | 8% | 6% | 12% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN TEXAS (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 65,830 | 9% |
| Some college | 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% |
| TOTAL | 715,380 | 100% |

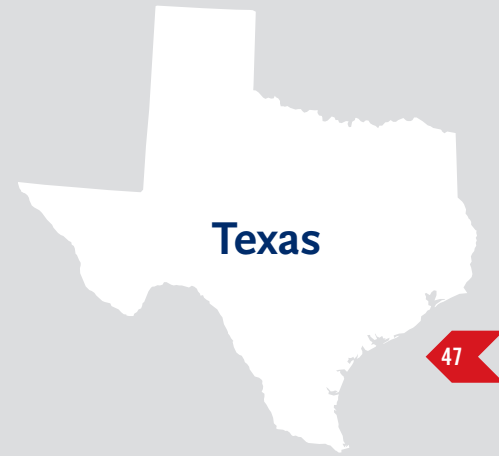
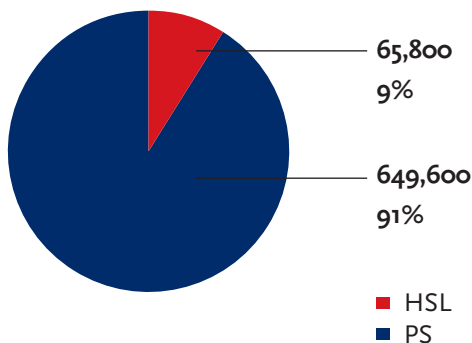
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 57,290 8% | 328,470 46% | 17,290 2% | 221,330 31% |
| | | | 91,010 13% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 7% | 4% | 12% | 14% | 25% |



- STEM jobs will be 5 percent of all jobs in Texas in 2018.
- Texas will demand a total of 715,380 STEM jobs by 2018, up from 584,120 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 16 percent of all MA jobs and 25 percent of all PhD jobs in Texas will be in a STEM field by 2018.

Utah

48

- STEM jobs will be 6 percent of all jobs in Utah in 2018.
- Utah will demand a total of 94,990 STEM jobs by 2018, up from 71,360 in 2008.
- 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.
- 91 percent of these jobs will require postsecondary education and training by 2018.
- 15 percent of all MA jobs and 18 percent of all PhD jobs in Utah will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN UTAH (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 8,340 | 9% |
| Some college | 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% |
| TOTAL | 94,990 | 100% |

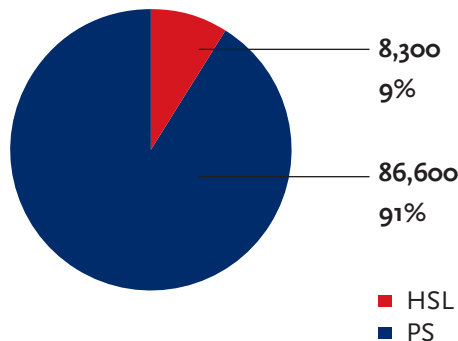
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 7,140 8% | 46,220 49% | 2,430 2% | 25,160 26% |
| | | | 14,040 15% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 6% | 4% | 12% | 12% | 18% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN VERMONT (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 2,090 | 13% |
| Some college | 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% |
| TOTAL | 16,240 | 100% |

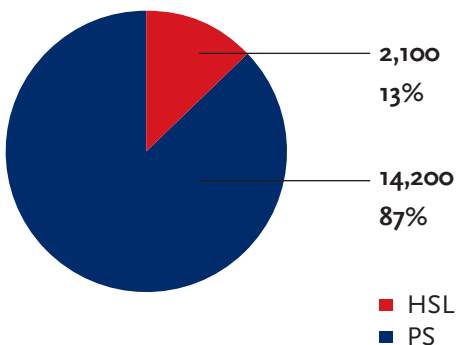
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 1,260 8% | 7,250 45% | 380 2% | 4,710 29% |
| | | | 2,650 16% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 2% | 6% | 3% | 8% | 9% | 18% |



Vermont

- STEM jobs will be 5 percent of all jobs in Vermont in 2018.
- Vermont will demand a total of 16,240 STEM jobs by 2018, up from 14,670 in 2008.
- 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.
- 87 percent of these jobs will require postsecondary education and training by 2018.
- 11 percent of all MA jobs and 18 percent of all PhD jobs in Vermont will be in a STEM field by 2018.

Virginia

50

- STEM jobs will be 8 percent of all jobs in Virginia in 2018.
- Virginia will demand a total of 374,310 STEM jobs by 2018, up from 288,430 in 2008.
- 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.
- 93 percent of these jobs will require postsecondary education and training by 2018.
- 21 percent of all MA jobs and 22 percent of all PhD jobs in Virginia will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN VIRGINIA (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 26,980 | 7% |
| Some college | 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% |
| TOTAL | 374,310 | 100% |

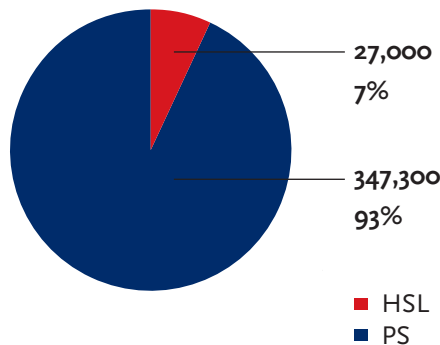
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 19,940 5% | 239,880 64% | 12,630 3% | 76,370 20% |
| | | | 25,500 7% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 2% | 9% | 6% | 16% | 18% | 22% |





EDUCATIONAL DISTRIBUTION OF STEM JOBS IN WASHINGTON (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 18,250 | 6% |
| Some college | 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% |
| TOTAL | 282,130 | 100% |

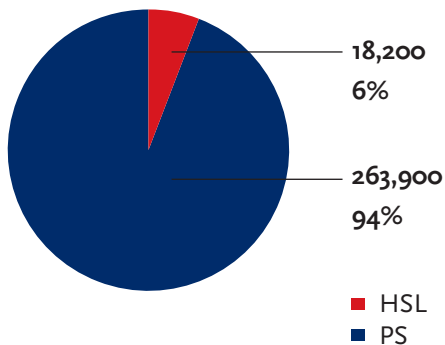
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 18,090 6% | 141,580 50% | 7,450 3% | 77,940 28% |
| | | | 37,080 13% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 2% | 8% | 5% | 17% | 18% | 34% |



- STEM jobs will be 8 percent of all jobs in Washington in 2018.
- Washington will demand a total of 282,130 STEM jobs by 2018, up from 227,040 in 2008.
- 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.
- 94 percent of these jobs will require postsecondary education and training by 2018.
- 21 percent of all MA jobs and 34 percent of all PhD jobs in Washington will be in a STEM field by 2018.

West Virginia

- STEM jobs will be 3 percent of all jobs in West Virginia in 2018.
- West Virginia will demand a total of 24,790 STEM jobs by 2018, up from 22,140 in 2008.
- 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.
- 82 percent of these jobs will require postsecondary education and training by 2018.
- 5 percent of all MA jobs and 6 percent of all PhD jobs in West Virginia will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN W.V. (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 4,370 | 18% |
| Some college | 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% |
| TOTAL | 24,790 | 100% |

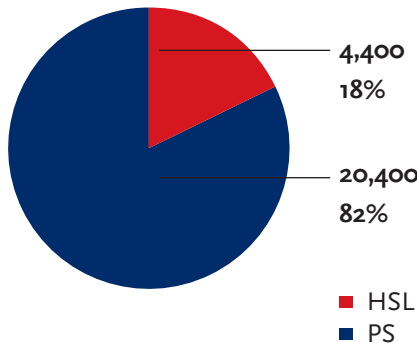
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 2,200 9% | 8,360 34% | 440 2% | 8,280 33% |
| | | | 5,510 22% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 5% | 3% | 9% | 4% | 6% |



EDUCATIONAL DISTRIBUTION OF STEM JOBS IN WISCONSIN (2018)

| | | |
|---------------------|----------------|-------------|
| High school or less | 11,280 | 8% |
| Some college | 23,870 | 16% |
| Associate's degrees | 20,770 | 14% |
| Bachelor's degrees | 66,090 | 46% |
| Master's degrees | 18,660 | 13% |
| Doctoral degrees | 4,110 | 3% |
| TOTAL | 144,780 | 100% |

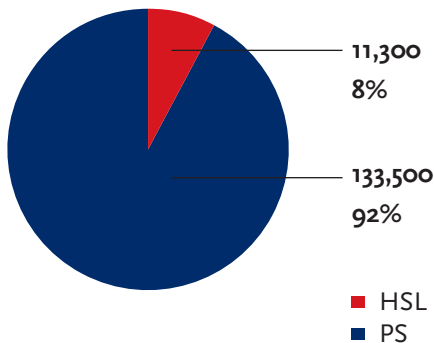
Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 13,290 9% | 62,360 43% | 3,280 2% | 43,030 30% |
| | | | 22,820 16% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 7% | 3% | 11% | 8% | 17% |



Wisconsin

- STEM jobs will be 5 percent of all jobs in Wisconsin in 2018.
- Wisconsin will demand a total of 144,780 STEM jobs by 2018, up from 129,110 in 2008.
- 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.
- 92 percent of these jobs will require postsecondary education and training by 2018.
- 11 percent of all BA jobs and 17 percent of all PhD jobs in Wisconsin will be in a STEM field by 2018.

Wyoming

54

- STEM jobs will be 4 percent of all jobs in Wyoming in 2018.
- Wyoming will demand a total of 14,200 STEM jobs by 2018, up from 11,490 in 2008.
- 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.
- 89 percent of these jobs will require postsecondary education and training by 2018.
- 14 percent of all BA jobs and 7 percent of all PhD jobs in Wyoming will be in a STEM field by 2018.

EDUCATIONAL DISTRIBUTION OF STEM JOBS IN TENNESSEE (2018)

| | | |
|---------------------|---------------|-------------|
| High school or less | 1,550 | 11% |
| Some college | 2,200 | 15% |
| Associate's degrees | 1,640 | 12% |
| Bachelor's degrees | 7,770 | 55% |
| Master's degrees | 830 | 6% |
| Doctoral degrees | 210 | 2% |
| TOTAL | 14,200 | 100% |

Occupational Distribution of STEM Jobs

| ARCHITECTS, SURVEYORS, & TECHNICIANS | COMPUTERS* MATHEMATICIANS | ENGINEERS & TECHNICIANS | LIFE & PHYSICAL SCIENTISTS |
|--|------------------------------|----------------------------|----------------------------------|
| 1,770 | 2,890 | 150 | 4,790 |
| 12% | 20% | 1% | 34% |
| | | | 4,600 |
| | | | 32% |

*Computer Technicians, Programmers, and Scientists

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

| HIGH SCHOOL OR LESS | SOME COLLEGE | ASSOCIATE'S | BACHELOR'S | MASTER'S | PhD |
|------------------------|-----------------|-------------|------------|----------|-----|
| 1% | 4% | 2% | 14% | 4% | 7% |

