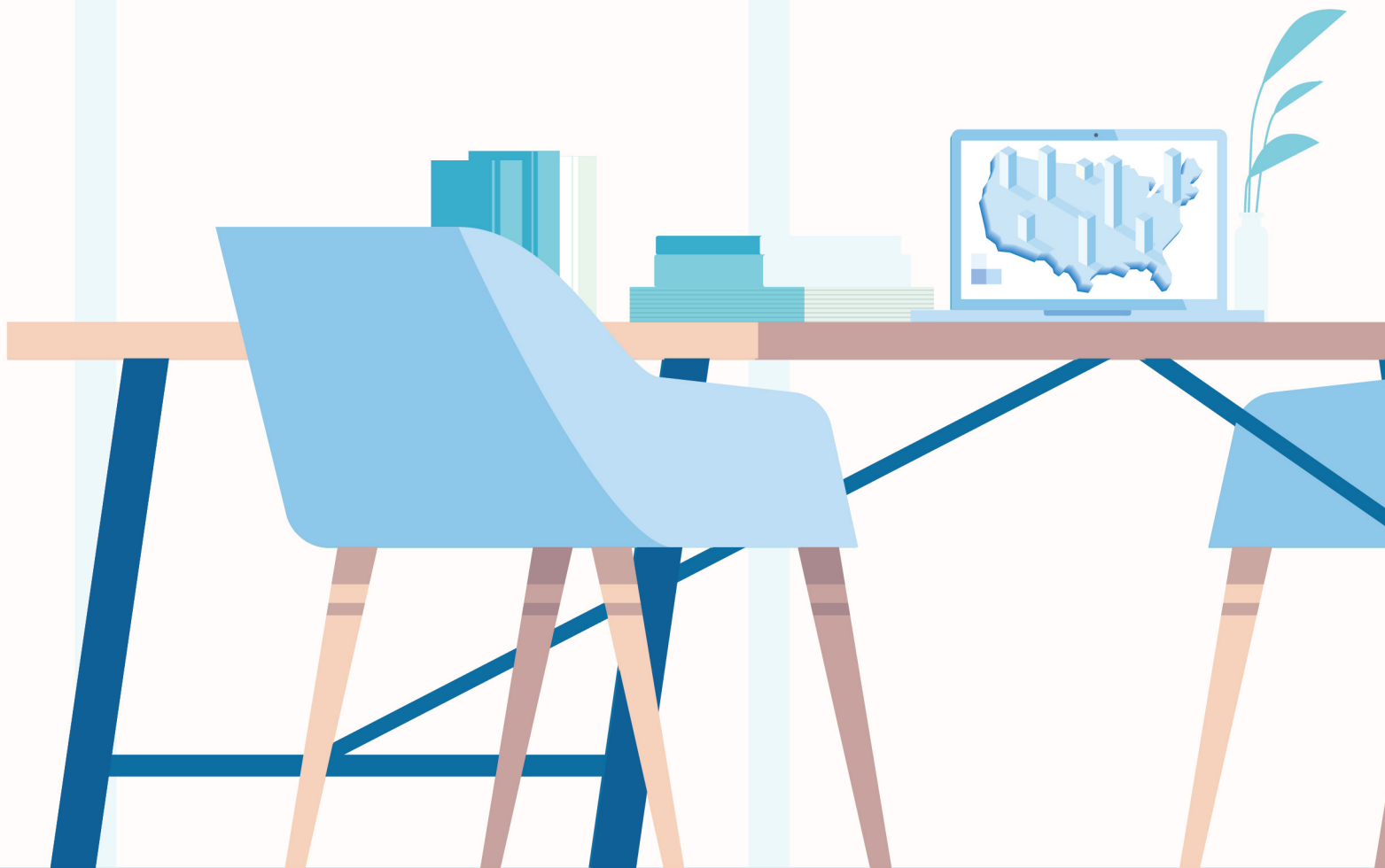


After Everything

Projections of Jobs, Education, and
Training Requirements through 2031





About the Projections Report

The Georgetown University Center on Education and the Workforce's (CEW) job projections through 2031 include an executive summary, a national report, a state-by-state analysis, a technical appendix, and a webpage of data visualizations. The projections are designed to help policymakers set broad goals at the state level and to inform the educational choices and career plans of individuals and their counselors.

National Report

This report includes a national overview of job projections and their educational requirements across industries, occupational clusters, and detailed occupational groups.

Technical Appendix

The technical report is a detailed explanation of CEW's methodological approach.

State Report

The state report provides a state-by-state analysis of education demand and compares job outlooks for individual states to national estimates.

Visit cew.georgetown.edu/Projections2031 to access these reports and interact with the data.

This report projects education requirements linked to forecasted job growth for all 50 states and the District of Columbia from 2021 through 2031. It complements a larger national report that projects education demand by occupation and industry for the same period. The national report finds that by 2031, 72 percent of all jobs nationally will require at least some postsecondary education and training beyond high school. These requirements will differ by state: in the District of Columbia, more than 80 percent of all jobs will require postsecondary education in 2031, while in two states, Louisiana and Arkansas, fewer than 60 percent of jobs in 2031 will require education beyond high school.

In this report, we show the following for each state:

- ◇ The education composition of jobs in the base year (2021) compared to the forecast year (2031).
- ◇ How each state's job forecasts compare to the national average, and how the states rank compared to one another.¹
- ◇ A breakdown of where the jobs are by state and by education level and occupation, for 25 detailed occupational categories in 2031.

A note on the methodology:

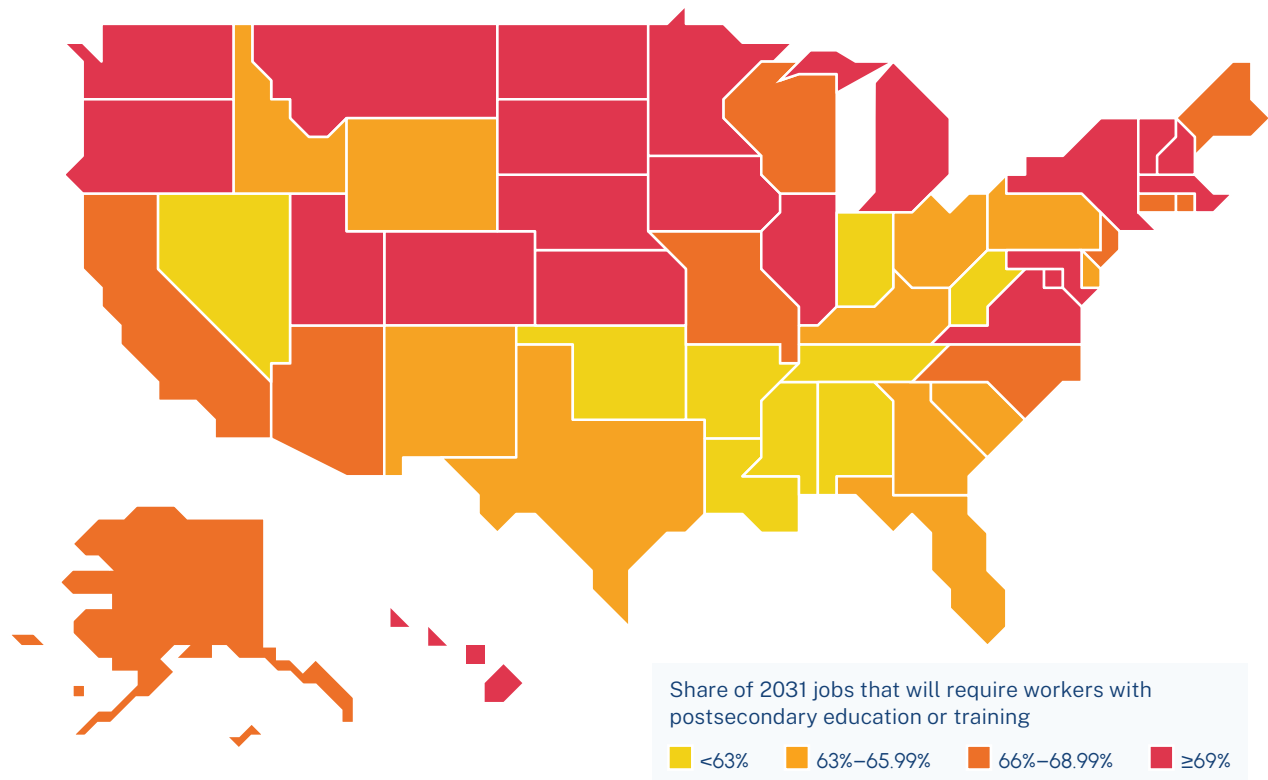
This report introduces a new methodology for projecting jobs. In previous reports, the Georgetown Center on Education and the Workforce broke down projections into two categories: new and replacement jobs. However, we have become increasingly convinced that those projections misrepresented “churn” in jobs, the turnover of employees in existing jobs, rather than the creation of new jobs. The Bureau of Labor Statistics in the US Department of Labor changed its methods for forecasting occupational openings beginning in 2016 to more closely represent new job opportunities. Readers will note that the projections for job growth in this report (18.5 million annual job openings) are significantly different than previous reports. For example, in 2013, we forecast 55 million total job openings over a 10-year period in the economy through 2020. While we recognize that there is an opportunity for confusion, the new methodology results in significantly improved projections of job replacements and therefore is a better measure of employment demand, in our judgment. (For more details on the new methodology, please see Appendix I of the National report.)

¹ This report forecasts educational requirements for all 50 states and the District of Columbia. As a result of including the District of Columbia, the state rankings are from 1 to 51.

We find that

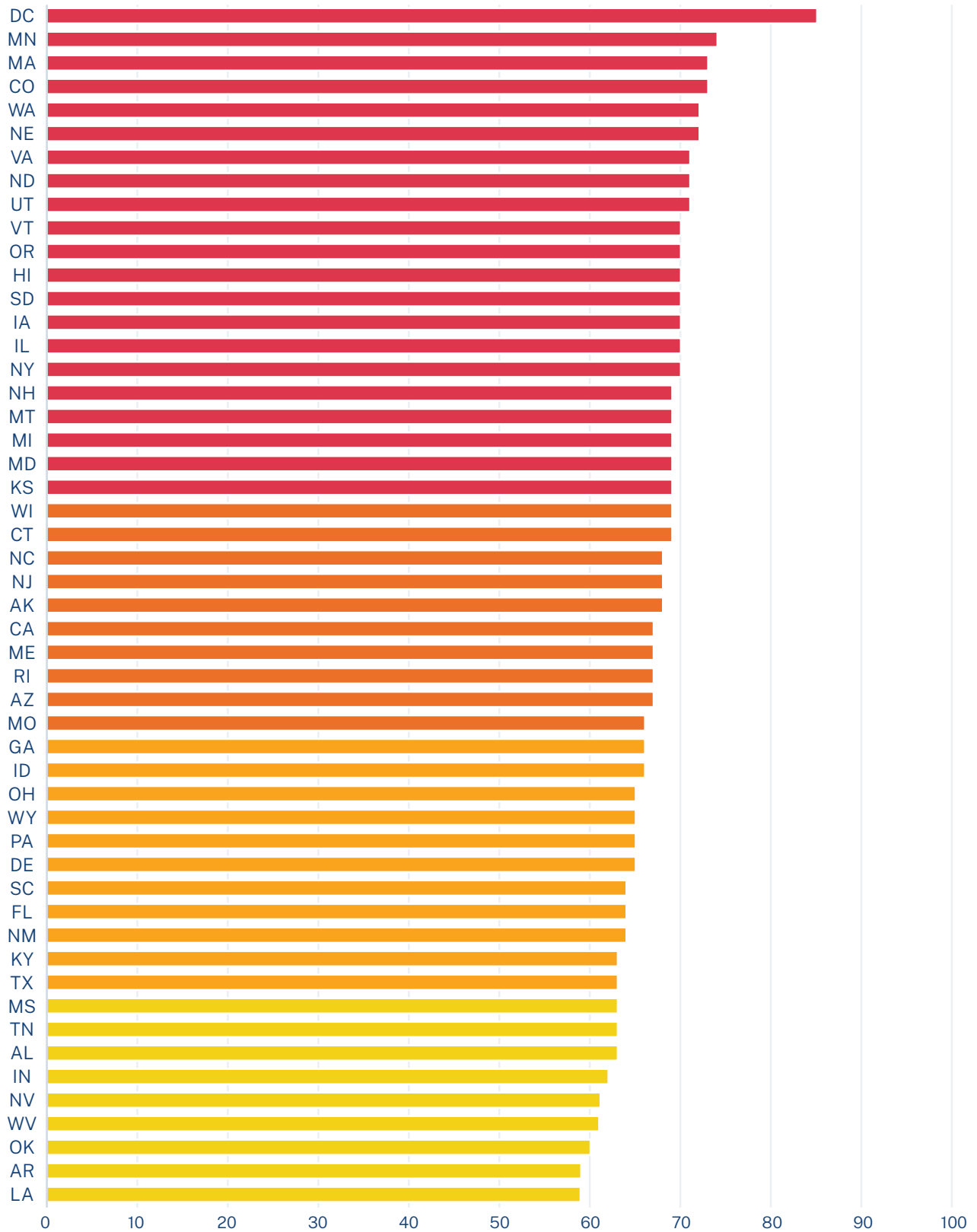
- ◇ the five states that will have the largest share of jobs that require postsecondary education are: the District of Columbia, Minnesota, Massachusetts, Colorado, and Washington; and
- ◇ the five states that will have the lowest share of jobs requiring postsecondary education are: Louisiana, Arkansas, Oklahoma, West Virginia, and Nevada.

FIGURE 1. In 2031, the share of jobs that will require workers with some postsecondary training beyond high school is 69 percent or greater in 20 states and the District of Columbia.



Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

FIGURE 2. Percentage of jobs in 2031 that will require postsecondary education, by state



Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

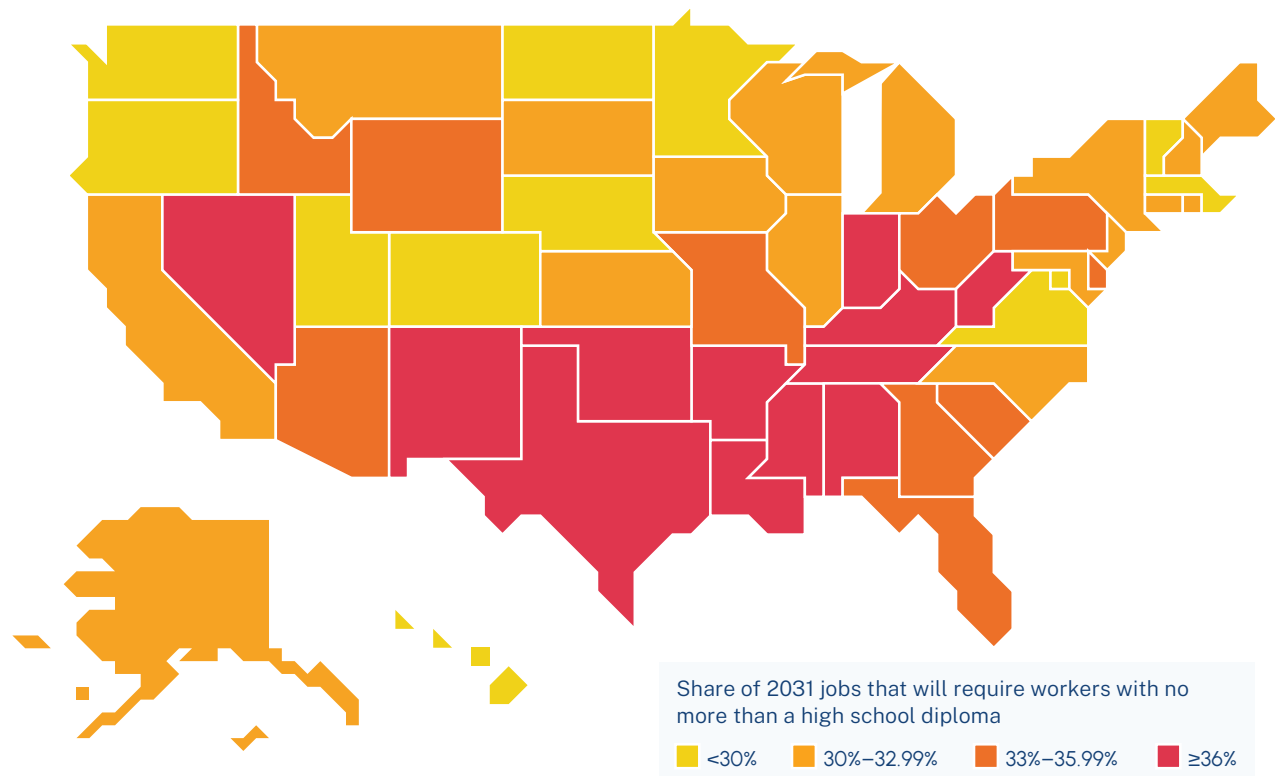
The Number of Jobs that Will Be Available by Education Level

In this section, we break out the states by differing levels of educational attainment that will be required in order to get a job in 2031.

Jobs that will require a high school diploma or less.

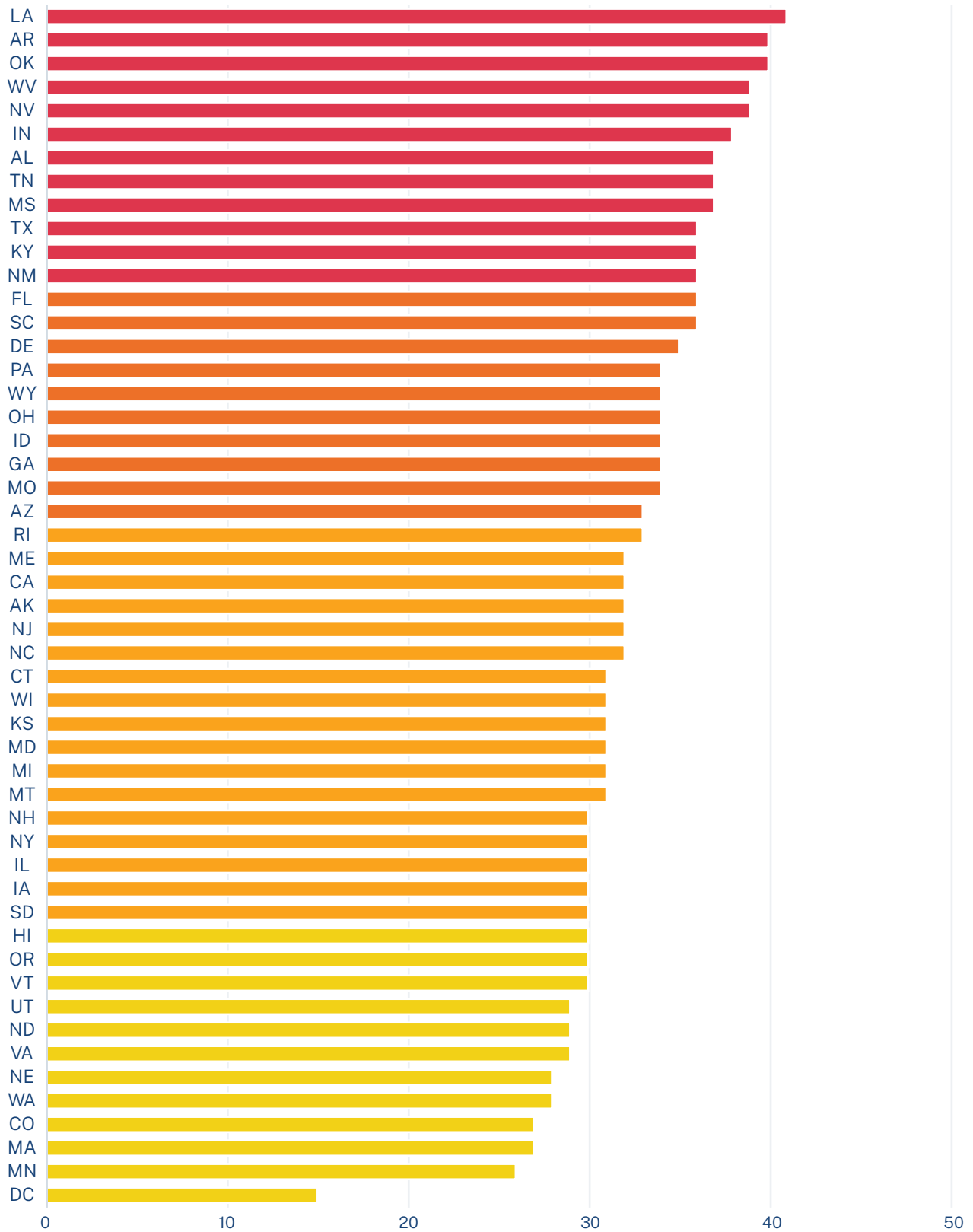
- ◇ By 2031, we project that 28 percent of all jobs nationally will be for workers with a high school diploma or less.
- ◇ The five states with the greatest share of jobs for workers with a high school diploma or less will be: Louisiana, Arkansas, Oklahoma, West Virginia, and Nevada.
- ◇ The five states with the lowest proportion of jobs for workers with a high school diploma or less will be: the District of Columbia, Minnesota, Massachusetts, Colorado, and Washington.
- ◇ Jobs in either the blue-collar or food and personal services clusters will be the most common occupations for workers with a high school diploma or less.

FIGURE 3. In 2031, the share of jobs for workers with a high school diploma or less will be 36 percent or greater in 12 states.



Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

FIGURE 4. Percentage of jobs in 2031 that will require a high school diploma or less, by state

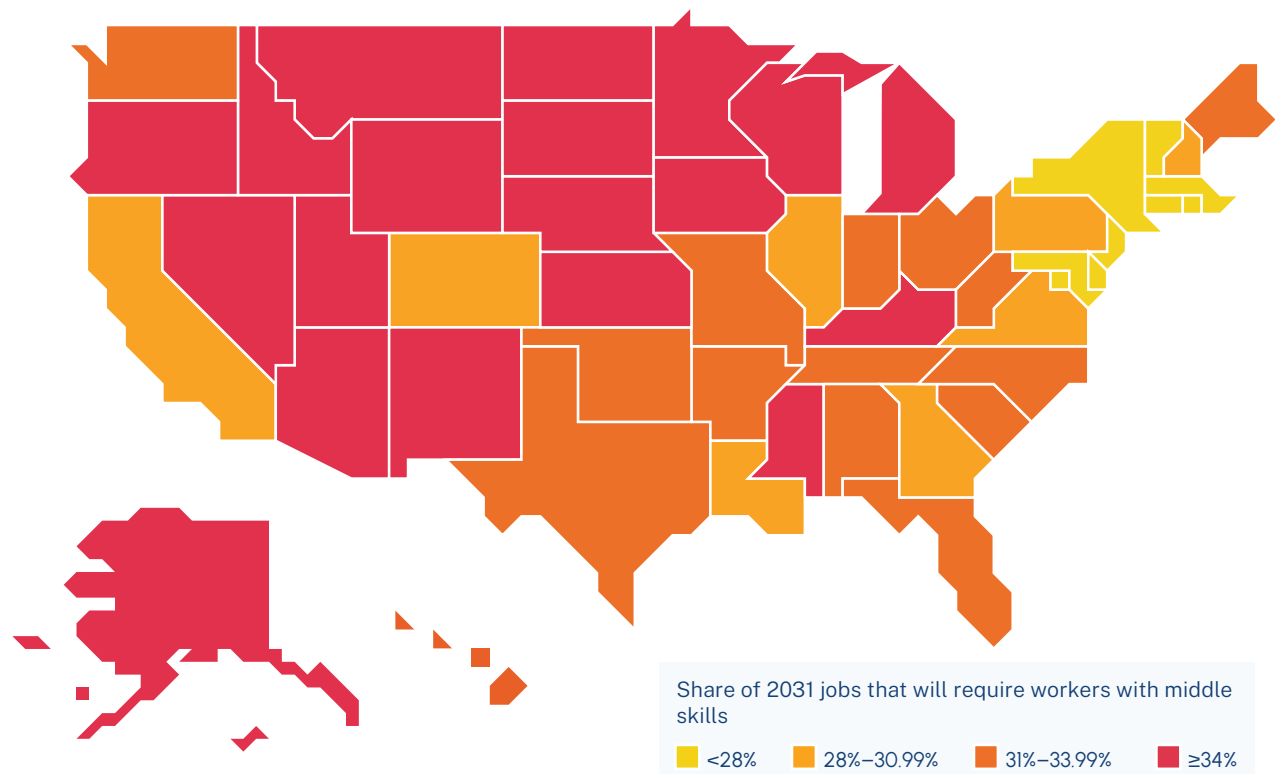


Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

Jobs that will require middle skills (associate's degrees, postsecondary vocational certificates, test-based licenses, industry certifications, or some college but no degree).

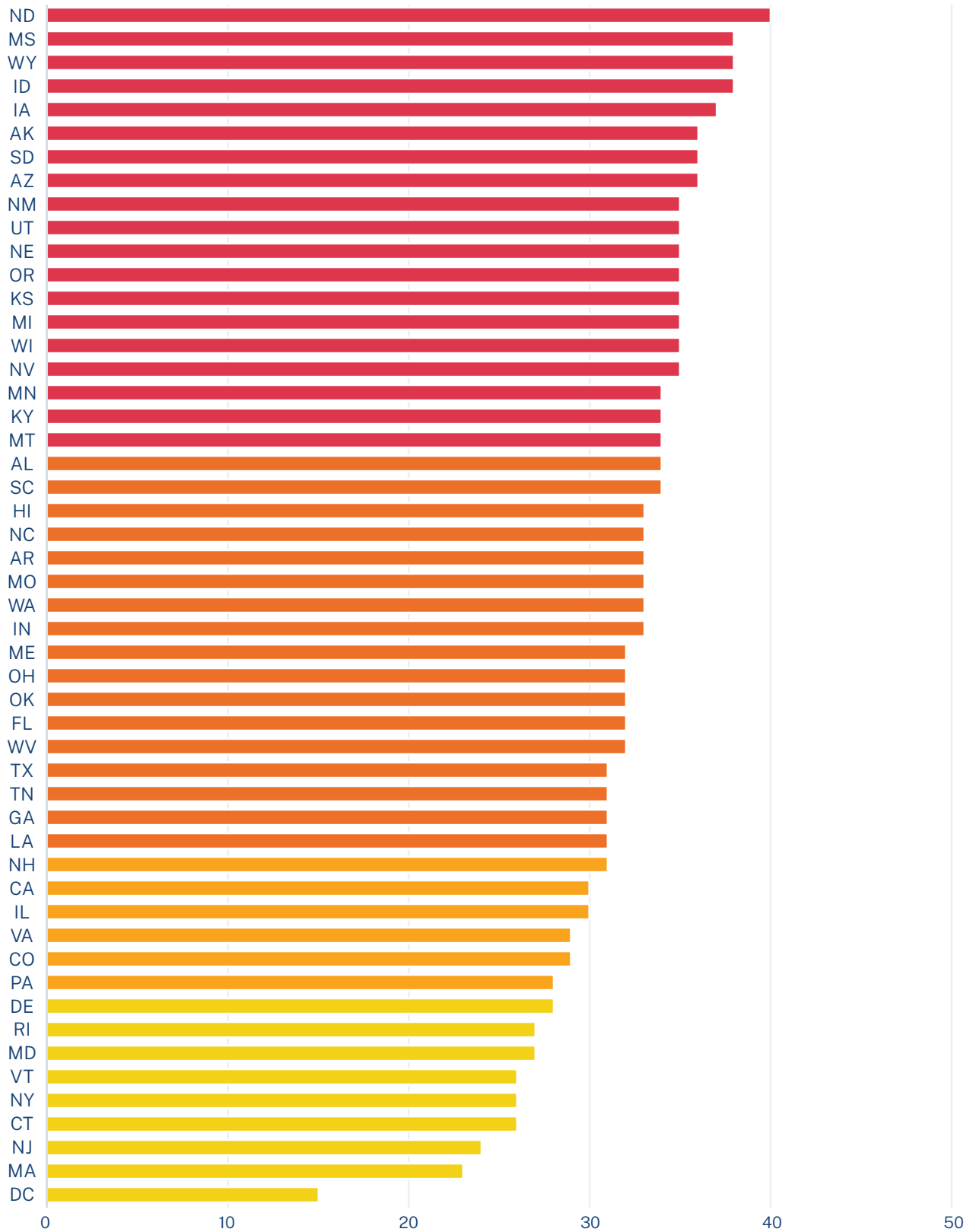
- ◇ By 2031, we project that 29 percent of all jobs nationally will require workers to have middle skills.
- ◇ The five states with the greatest share of jobs for workers with middle skills will be: North Dakota, Mississippi, Wyoming, Idaho, and Iowa.
- ◇ The five states with the smallest share of jobs for workers with middle skills will be: the District of Columbia, Massachusetts, New Jersey, Connecticut, and New York.
- ◇ Jobs in either the blue-collar or sales and office support clusters will be the most common occupations for middle-skills workers.

FIGURE 5. The share of jobs in 2031 that will require workers with some college, a certificate, license, certification, or an associate's degree will be 34 percent or more in 19 states.



Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

FIGURE 6. Percentage of jobs in 2031 that will require some college, a certificate, license, certification, or an associate’s degree, by state



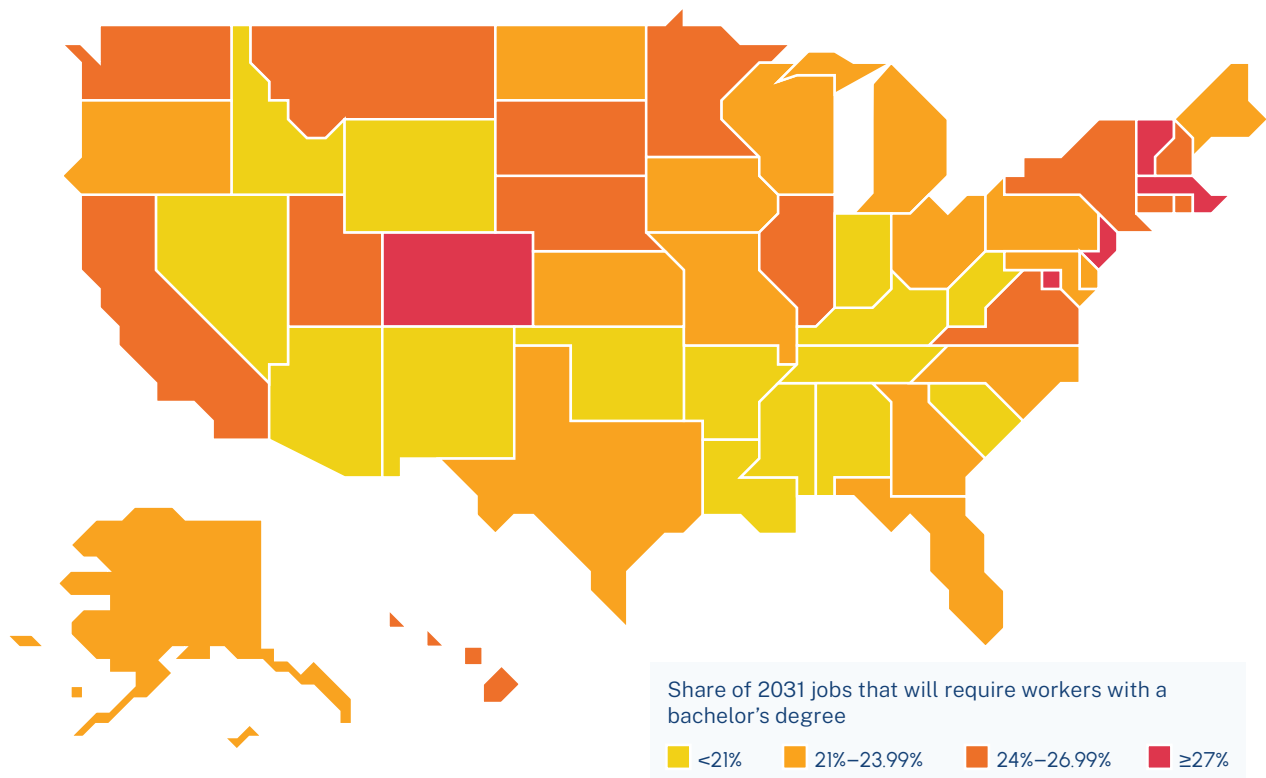
Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

Jobs that will require a bachelor's degree

By 2031, we project that 26 percent of all jobs nationally will require workers to have a bachelor's degree.

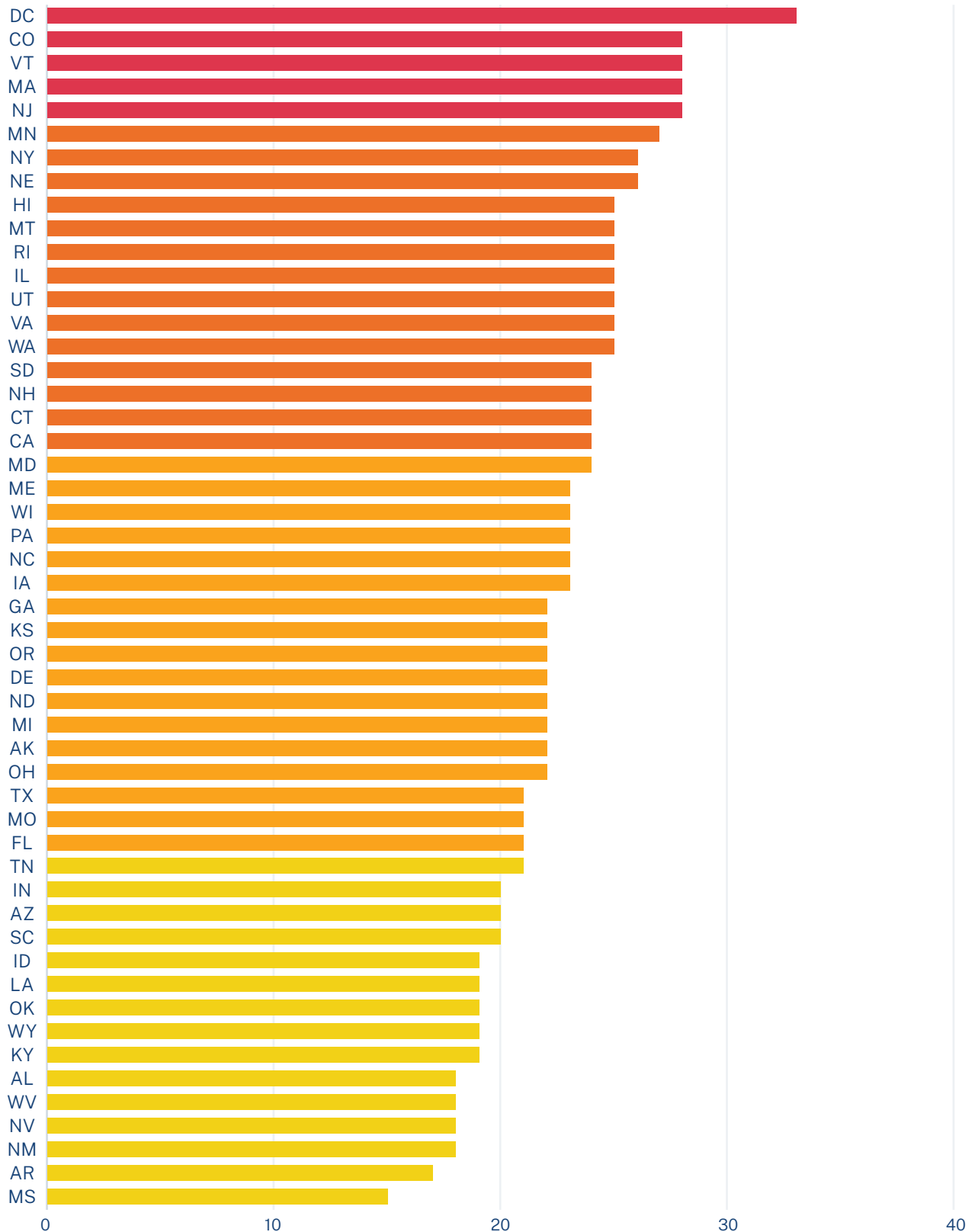
- ◇ The five states with the largest share of jobs that require a bachelor's degree will be: the District of Columbia, Colorado, Vermont, Massachusetts, and New Jersey.
- ◇ The five states with the smallest share of jobs that will require a bachelor's degree will be: Mississippi, Arkansas, New Mexico, Nevada, and West Virginia.
- ◇ Jobs in either the sales and office support or managerial and professional office clusters will be the most common occupations for workers with a bachelor's degree.

FIGURE 7. In the District of Columbia and four other states — Colorado, Massachusetts, New Jersey, and Vermont — the share of jobs in 2031 that will require a bachelor's degree will be 27 percent or more.



Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

FIGURE 8. Percentage of jobs in 2031 that will require a bachelor’s degree, by state

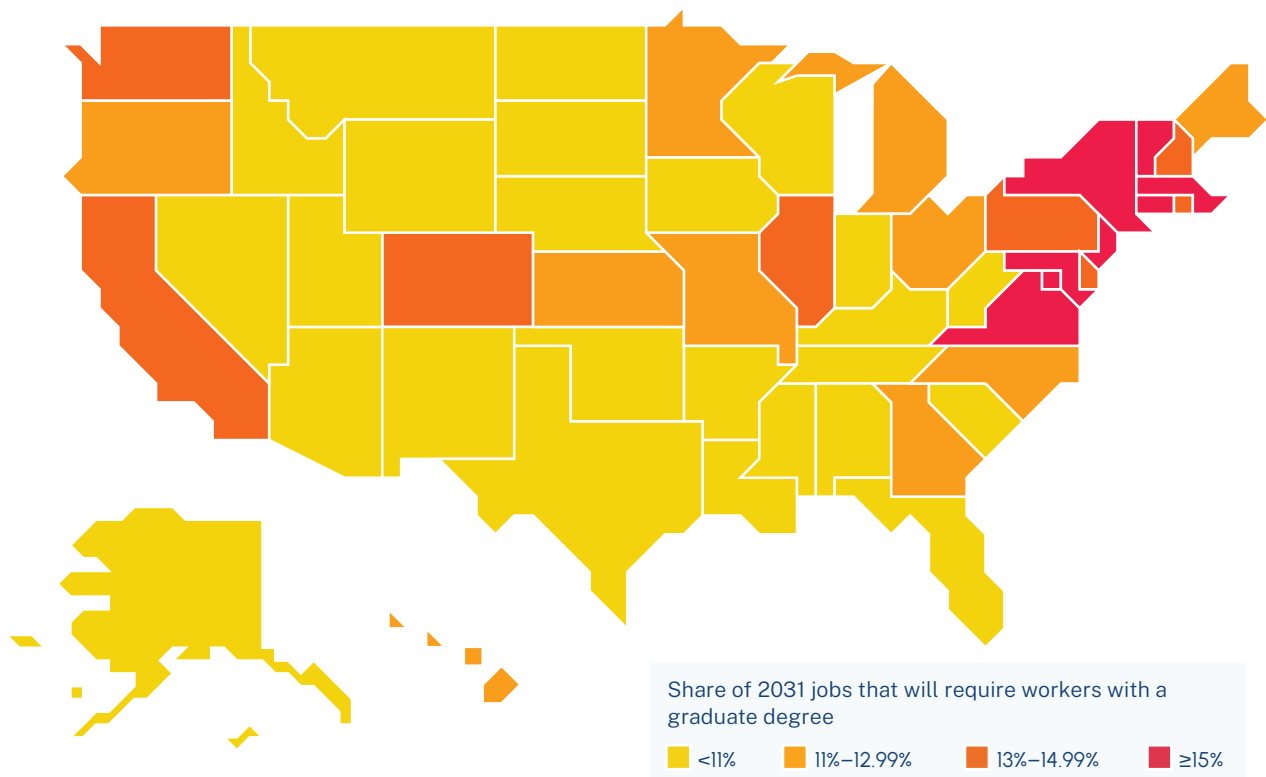


Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

Jobs that will require a graduate degree

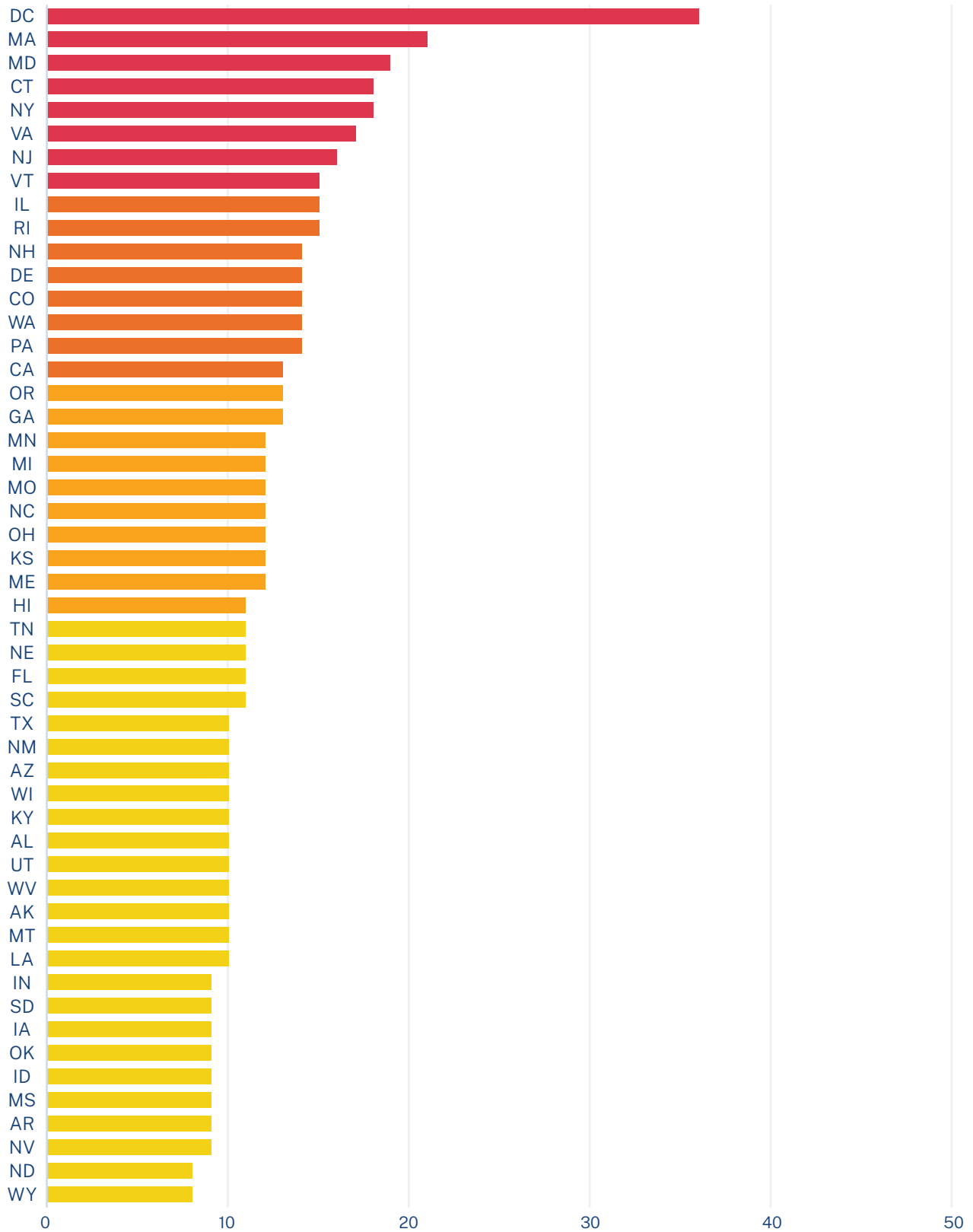
- ◇ By 2031, we project that 17 percent of all jobs nationally will require workers to have a graduate degree.
- ◇ The five states with the largest share of jobs for workers with graduate degrees will be: the District of Columbia, Massachusetts, Maryland, Connecticut, and New York.
- ◇ The five states with the smallest share of jobs for workers with a graduate degree will be: Wyoming, North Dakota, Nevada, Arkansas, and Mississippi.
- ◇ Jobs in either the managerial and professional office or education clusters will be the most common occupations for workers with a graduate degree.

FIGURE 9. In seven states and the District of Columbia, the share of jobs in 2031 that will require a graduate degree will be 15 percent or greater.



Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

FIGURE 10 . Percentage of jobs in 2031 that will require a graduate degree, by state.



Source: Georgetown University Center on Education and the Workforce forecast using data from the US Census Bureau and Bureau of Labor Statistics, Current Population Survey (CPS); US Census Bureau, American Community Survey (ACS); US Bureau of Labor Statistics; IHS Markit; and Lightcast.

State Profiles

Following are profiles for each of the 50 states and the District of Columbia, projecting the jobs that each will have in 2031 by occupation and workers' education levels

Alabama.....	14	Montana.....	118
Alaska.....	18	Nebraska.....	122
Arizona.....	22	Nevada.....	126
Arkansas.....	26	New Hampshire.....	130
California.....	30	New Jersey.....	134
Colorado.....	34	New Mexico.....	138
Connecticut.....	38	New York.....	142
Delaware.....	42	North Carolina.....	146
District of Columbia.....	46	North Dakota.....	150
Florida.....	50	Ohio.....	154
Georgia.....	54	Oklahoma.....	158
Hawaii.....	58	Oregon.....	162
Idaho.....	62	Pennsylvania.....	166
Illinois.....	66	Rhode Island.....	170
Indiana.....	70	South Carolina.....	174
Iowa.....	74	South Dakota.....	178
Kansas.....	78	Tennessee.....	182
Kentucky.....	82	Texas.....	186
Louisiana.....	86	Utah.....	190
Maine.....	90	Vermont.....	194
Maryland.....	94	Virginia.....	198
Massachusetts.....	98	Washington.....	202
Michigan.....	102	West Virginia.....	206
Minnesota.....	106	Wisconsin.....	210
Mississippi.....	110	Wyoming.....	214
Missouri.....	114		

Alabama

Between 2021 and 2031, an average of 252,000 job openings will be created annually in Alabama both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 158,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 71,000 of these annual job openings will be for those with a high school diploma.
- ◇ 23,000 of these annual job openings will be for those with less than a high school diploma.

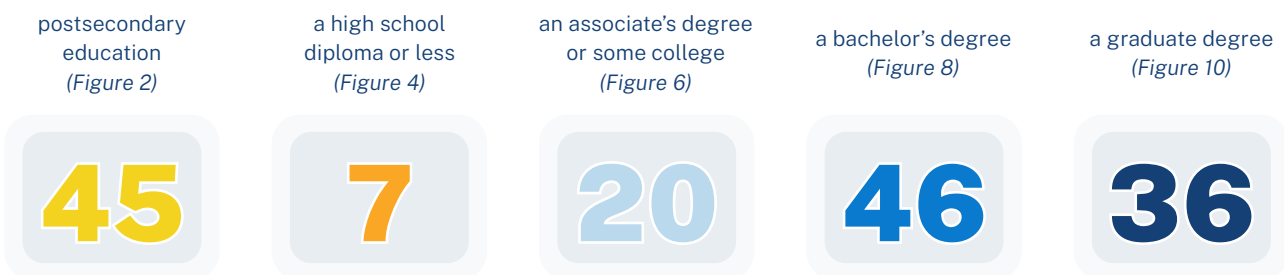
Between 2021 and 2031, net new jobs in Alabama requiring postsecondary education and training will grow by 105,000 while net new jobs for workers with a high school education or less will grow by 60,000.

Alabama will rank 46th among the states in the proportion of its 2031 jobs that will require a bachelor's degree and 7th in the share of 2031 jobs for workers with a high school diploma or less. Alabama will rank 45th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Alabama, 63 percent (1,365,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available as individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Alabama state rank | Percentage of jobs in 2031 that will require:



Alabama: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	202,000	9%	9
High school diploma	615,000	28%	11
Some college, no degree	496,000	23%	19
Associate's degree	242,000	11%	16
Bachelor's degree	402,000	18%	46
Graduate degree	225,000	10%	36
Total	2,182,000	100%	

Alabama: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	757,000	817,000	60,000
Middle skills	684,000	738,000	54,000
Bachelor's degree or higher	576,000	627,000	51,000
Total	2,017,000	2,182,000	165,000

Alabama: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	455,000	474,000	4%
Blue-Collar	576,000	609,000	6%
Food and Personal Services	308,000	349,000	13%
Managerial and Professional Office	196,000	217,000	11%
Education	108,000	116,000	7%
Healthcare	209,000	235,000	12%
STEM	110,000	121,000	10%
Community Services and Arts	55,000	61,000	11%
Total	2,017,000	2,182,000	8%

Alabama: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	17	58	67	19	43	10	214
Office and administrative support	8	73	89	33	43	12	258
Blue-Collar							
Farming, fishing, and forestry	3	2	3	0	1	*	9
Construction and extraction	23	42	14	7	3	1	90
Installation, maintenance, and equipment repair	11	45	29	19	3	2	109
Production	35	97	48	18	12	1	211
Transportation and material moving	30	91	41	14	11	2	189
Food and Personal Services							
Food preparation and serving	39	79	42	13	13	2	188
Personal care	5	14	11	8	7	2	47
Building and grounds cleaning and maintenance	16	27	15	5	3	0	66
Protective services	1	10	16	6	13	3	49
Managerial and Professional Office							
Management	3	20	18	10	35	20	106
Business operations	1	5	12	6	28	9	61
Financial	0	2	2	3	17	12	36
Legal	*	1	1	1	3	7	13

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Alabama: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	8	8	6	37	55	115
Healthcare							
Healthcare professional and technical	1	11	21	38	35	42	148
Healthcare support	4	19	33	17	11	1	85
STEM							
Computer and mathematical sciences	0	3	10	6	26	9	54
Architecture, surveying, drafting, and technical	0	2	3	4	3	1	13
Engineering	1	2	2	2	20	10	37
Life and physical sciences	*	1	1	0	5	4	11
Social sciences	*	*	*	*	0	3	3
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	1	5	3	11	3	24
Community and social services	1	1	3	2	15	14	36
TOTAL**	201	614	494	240	398	225	2,172

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Alaska

Between 2021 and 2031, an average of 39,000 job openings will be created annually in Alaska both from new jobs and jobs that come open for other reasons, most frequently retirement.

This is how the vacancies will break down by education level.

- ◇ 27,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 11,000 of these annual job openings will be for those with a high school diploma.
- ◇ 2,000 of these annual job openings will be for those with less than a high school diploma.

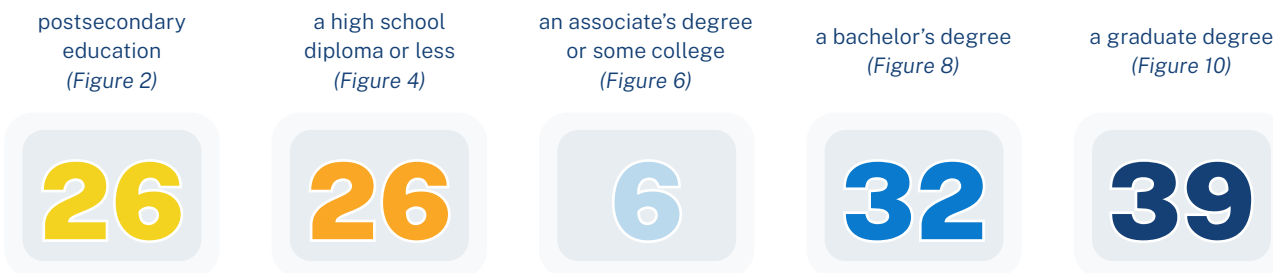
Between 2021 and 2031, net new jobs in Alaska requiring postsecondary education and training will grow by 18,000 while net new jobs for workers with a high school education or less will grow by 7,000.

Alaska ranks 32nd among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 26th in the share of 2031 jobs for workers with a high school diploma or less. Alaska ranks 26th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Alaska, 68 percent (231,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Alaska state rank | Percentage of jobs in 2031 that will require:



Alaska: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank among states
Less than high school	17,000	5%	44
High school diploma	91,000	27%	18
Some college, no degree	89,000	26%	1
Associate's degree	35,000	10%	25
Bachelor's degree	73,000	22%	32
Graduate degree	34,000	10%	39
Total	339,000	100%	

Alaska: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	101,000	108,000	7,000
Middle skills	114,000	124,000	10,000
Bachelor's degree or higher	99,000	107,000	8,000
Total	314,000	339,000	25,000

Alaska: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	67,000	70,000	4%
Blue-Collar	76,000	81,000	7%
Food and Personal Services	47,000	51,000	9%
Managerial and Professional Office	39,000	43,000	10%
Education	20,000	20,000	0%
Healthcare	34,000	42,000	24%
STEM	21,000	21,000	0%
Community Services and Arts	10,000	11,000	10%
Total	314,000	339,000	8%

Alaska: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	2	6	8	2	6	1	25
Office and administrative support	1	12	17	4	10	1	45
Blue-Collar							
Farming, fishing, and forestry	0	1	0	0	0	*	1
Construction and extraction	1	8	5	2	1	1	18
Installation, maintenance, and equipment repair	1	7	7	5	1	*	21
Production	2	6	2	1	0	0	11
Transportation and material moving	2	14	7	1	4	2	30
Food and Personal Services							
Food preparation and serving	4	11	6	1	2	1	25
Personal care	1	2	2	0	2	0	7
Building and grounds cleaning and maintenance	0	5	3	*	0	*	8
Protective services	1	3	2	1	2	1	10
Managerial and Professional Office							
Management	1	4	6	1	10	3	25
Business operations	*	1	5	1	3	1	11
Financial	0	0	0	1	2	2	5
Legal	*	*	0	*	0	1	1

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Alaska: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	3	4	0	5	6	18
Healthcare							
Healthcare professional and technical	0	1	3	7	8	5	24
Healthcare support	0	5	6	3	3	0	17
STEM							
Computer and mathematical sciences	*	0	1	2	1	2	6
Architecture, surveying, drafting, and technical	1	0	1	1	1	0	4
Engineering	*	0	1	0	3	0	4
Life and physical sciences	*	1	1	0	2	3	7
Social sciences	*	*	*	*	0	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	*	0	1	0	1	0	2
Community and social services	*	1	2	1	3	2	9
TOTAL**	17	91	90	34	70	33	335

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Arizona

Between 2021 and 2031, an average of 408,000 job openings will be created annually in Arizona both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 271,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 94,000 of these annual job openings will be for those with a high school diploma.
- ◇ 42,000 of these annual job openings will be for those with less than a high school diploma.

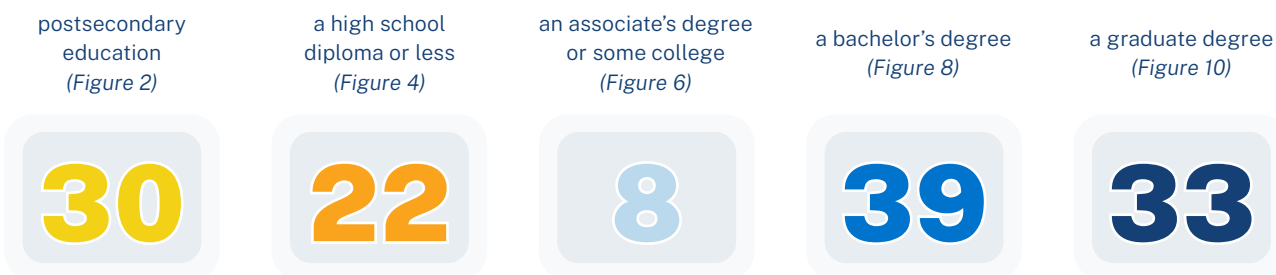
Between 2021 and 2031, net new jobs in Arizona requiring postsecondary education and training will grow by 372,000 while net new jobs for workers with a high school education or less will grow by 181,000.

Arizona ranks 39th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 22nd in the share of 2031 jobs for workers with a high school diploma or less. Arizona ranks 30th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Arizona, 67 percent (2,347,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Arizona state rank | Percentage of jobs in 2031 that will require:



Arizona: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank among states
Less than high school	366,000	10%	5
High school diploma	810,000	23%	37
Some college, no degree	920,000	26%	2
Associate's degree	345,000	10%	32
Bachelor's degree	715,000	20%	39
Graduate degree	366,000	10%	33
Total	3,522,000	100%	

Arizona: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	995,000	1,176,000	181,000
Middle skills	1,069,000	1,265,000	196,000
Bachelor's degree or higher	905,000	1,081,000	176,000
Total	2,969,000	3,522,000	553,000

Arizona: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	718,000	807,000	12%
Blue-Collar	637,000	751,000	18%
Food and Personal Services	481,000	575,000	20%
Managerial and Professional Office	381,000	462,000	21%
Education	157,000	182,000	16%
Healthcare	325,000	419,000	29%
STEM	182,000	220,000	21%
Community Services and Arts	88,000	108,000	23%
Total	2,969,000	3,524,000	19%

Arizona: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	21	76	96	28	75	18	314
Office and administrative support	27	121	186	67	73	18	492
Blue-Collar							
Farming, fishing, and forestry	5	3	1	0	0	*	9
Construction and extraction	55	66	34	9	6	1	171
Installation, maintenance, and equipment repair	18	48	49	19	10	2	146
Production	25	43	31	10	12	2	123
Transportation and material moving	50	118	76	23	26	6	299
Food and Personal Services							
Food preparation and serving	67	106	75	17	30	2	297
Personal care	8	28	26	7	11	3	83
Building and grounds cleaning and maintenance	42	34	21	4	2	0	103
Protective services	4	18	33	15	17	4	91
Managerial and Professional Office							
Management	9	30	49	17	66	37	208
Business operations	2	16	41	16	60	22	157
Financial	1	7	13	6	32	13	72
Legal	0	2	3	2	5	13	25

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Arizona: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	3	11	23	9	69	68	183
Healthcare							
Healthcare professional and technical	2	9	36	39	66	72	224
Healthcare support	19	46	75	26	22	6	194
STEM							
Computer and mathematical sciences	2	12	23	12	54	27	130
Architecture, surveying, drafting, and technical	1	3	6	5	6	1	22
Engineering	1	0	2	2	24	12	41
Life and physical sciences	0	0	3	1	7	5	16
Social sciences	*	*	*	0	2	6	8
Community Services and Arts							
Arts, design, entertainment, sports, and media	2	6	8	3	15	5	39
Community and social services	2	6	9	6	24	23	70
TOTAL**	366	809	919	343	714	366	3,517

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Arkansas

Between 2021 and 2031, an average of 157,000 job openings will be created annually in Arkansas both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 94,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 49,000 of these annual job openings will be for those with a high school diploma.
- ◇ 14,000 of these annual job openings will be for those with less than a high school diploma.

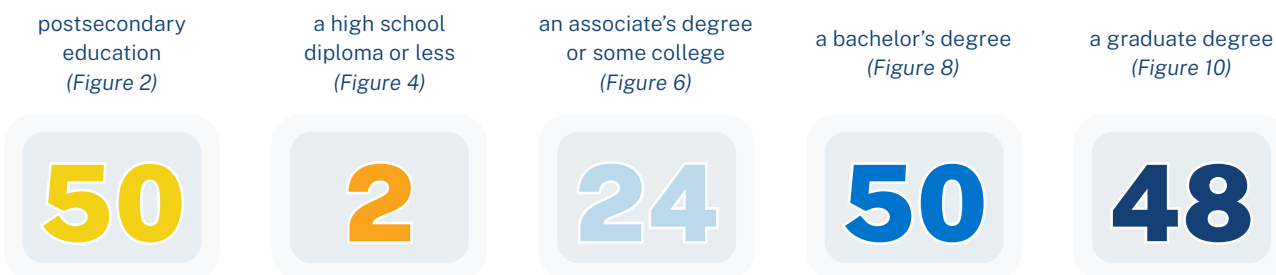
Between 2021 and 2031, net new jobs in Arkansas requiring postsecondary education and training will grow by 81,000 while net new jobs for workers with a high school education or less will grow by 53,000.

Arkansas ranks 50th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 2nd in the share of 2031 jobs for workers with a high school diploma or less. Arkansas ranks 50th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Arkansas, 59 percent (810,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Arkansas state rank | Percentage of jobs in 2031 that will require:



Arkansas: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	125,000	9%	11
High school diploma	428,000	31%	2
Some college, no degree	324,000	24%	15
Associate's degree	127,000	9%	35
Bachelor's degree	238,000	17%	50
Graduate degree	120,000	9%	48
Total	1,362,000	100%	

Arkansas: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	500,000	553,000	53,000
Middle skills	407,000	451,000	44,000
Bachelor's degree or higher	321,000	358,000	37,000
Total	1,228,000	1,362,000	134,000

Arkansas: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	267,000	284,000	6%
Blue-Collar	355,000	382,000	8%
Food and Personal Services	184,000	217,000	18%
Managerial and Professional Office	129,000	146,000	13%
Education	78,000	85,000	9%
Healthcare	138,000	158,000	14%
STEM	46,000	53,000	15%
Community Services and Arts	31,000	37,000	19%
Total	1,228,000	1,362,000	11%

Arkansas: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	7	44	35	10	23	8	127
Office and administrative support	6	48	51	17	29	6	157
Blue-Collar							
Farming, fishing, and forestry	4	3	1	0	0	*	8
Construction and extraction	11	25	10	2	2	0	50
Installation, maintenance, and equipment repair	6	30	18	6	4	1	65
Production	21	53	27	7	6	2	116
Transportation and material moving	26	65	32	8	9	2	142
Food and Personal Services							
Food preparation and serving	21	51	33	9	7	0	121
Personal care	2	8	8	5	3	0	26
Building and grounds cleaning and maintenance	8	19	8	4	1	*	40
Protective services	0	10	10	4	4	1	29
Managerial and Professional Office							
Management	1	16	16	7	24	10	74
Business operations	1	10	10	3	17	5	46
Financial	1	1	2	2	10	2	18
Legal	0	0	1	1	1	3	6

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Arkansas: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	9	9	4	30	31	84
Healthcare							
Healthcare professional and technical	1	4	16	25	22	25	93
Healthcare support	5	23	26	7	3	1	65
STEM							
Computer and mathematical sciences	*	1	4	3	17	5	30
Architecture, surveying, drafting, and technical	*	1	1	1	2	0	5
Engineering	*	1	0	0	5	3	9
Life and physical sciences	*	1	1	0	3	2	7
Social sciences	*	*	0	*	0	2	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	2	2	1	6	1	13
Community and social services	2	1	2	1	10	9	25
TOTAL**	125	426	323	127	238	119	1,358

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

California

Between 2021 and 2031, an average of 2,169,000 job openings will be created annually in California both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◆ 1,462,000 of these annual job openings will be for workers with postsecondary credentials.
- ◆ 442,000 of these annual job openings will be for those with a high school diploma.
- ◆ 265,000 of these annual job openings will be for those with less than a high school diploma.

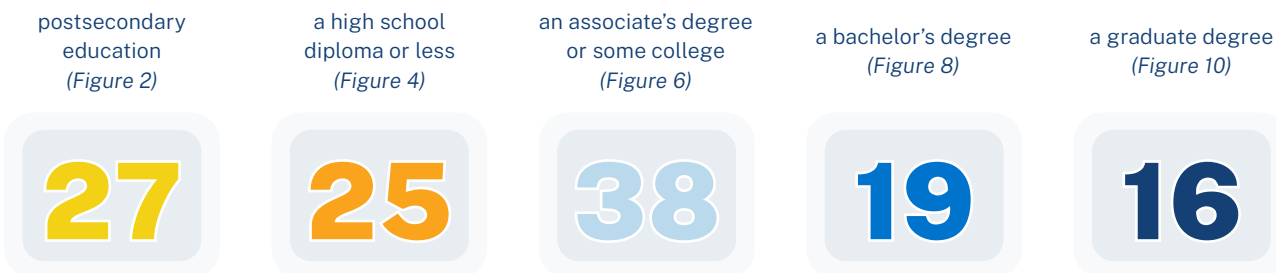
Between 2021 and 2031, net new jobs in California requiring postsecondary education and training will grow by 1,280,000 while net new jobs for workers with a high school education or less will grow by 519,000.

California ranks 19th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 25th in the share of 2031 jobs for workers with a high school diploma or less. California ranks 27th in the share of jobs requiring postsecondary education in 2031. Of all jobs in California, 67 percent (12,641,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

California state rank | Percentage of jobs in 2031 that will require:



California: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	2,291,000	12%	1
High school diploma	3,826,000	20%	48
Some college, no degree	4,059,000	22%	29
Associate's degree	1,578,000	8%	46
Bachelor's degree	4,505,000	24%	19
Graduate degree	2,498,000	13%	16
Total	18,757,000	100%	

California: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	5,598,000	6,117,000	519,000
Middle skills	5,093,000	5,637,000	544,000
Bachelor's degree or higher	6,267,000	7,003,000	736,000
Total	16,958,000	18,757,000	1,799,000

California: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	3,510,000	3,627,000	3%
Blue-Collar	3,638,000	3,919,000	8%
Food and Personal Services	2,630,000	2,810,000	7%
Managerial and Professional Office	2,319,000	2,590,000	12%
Education	1,080,000	1,182,000	9%
Healthcare	1,939,000	2,496,000	29%
STEM	1,189,000	1,378,000	16%
Community Services and Arts	652,000	755,000	16%
Total	16,957,000	18,757,000	11%

California: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	127	359	399	132	405	91	1,513
Office and administrative support	116	503	675	236	486	98	2,114
Blue-Collar							
Farming, fishing, and forestry	159	50	18	3	5	0	235
Construction and extraction	255	286	146	40	31	4	762
Installation, maintenance, and equipment repair	81	208	182	64	41	5	581
Production	241	239	162	49	65	14	770
Transportation and material moving	359	594	373	87	135	23	1,571
Food and Personal Services							
Food preparation and serving	331	387	331	108	148	22	1,327
Personal care	55	114	121	44	85	13	432
Building and grounds cleaning and maintenance	259	200	84	27	25	6	601
Protective services	17	87	153	60	107	24	448
Managerial and Professional Office							
Management	47	132	213	83	470	271	1,216
Business operations	13	63	138	64	398	183	859
Financial	2	15	30	23	206	80	356
Legal	1	4	11	9	30	104	159

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

California: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	10	57	124	77	436	478	1,182
Healthcare							
Healthcare professional and technical	8	51	155	155	339	326	1,034
Healthcare support	176	379	488	183	195	40	1,461
STEM							
Computer and mathematical sciences	9	29	98	44	360	263	803
Architecture, surveying, drafting, and technical	6	11	27	16	36	19	115
Engineering	1	4	10	10	123	94	242
Life and physical sciences	2	6	8	5	63	84	168
Social sciences	0	0	0	0	11	39	50
Community Services and Arts							
Arts, design, entertainment, sports, and media	8	23	54	26	162	45	318
Community and social services	7	25	58	34	143	170	437
TOTAL**	2,290	3,826	4,058	1,579	4,505	2,496	18,754

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Colorado

Between 2021 and 2031, an average of 355,000 job openings will be created annually in Colorado both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 258,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 71,000 of these annual job openings will be for those with a high school diploma.
- ◇ 25,000 of these annual job openings will be for those with less than a high school diploma.

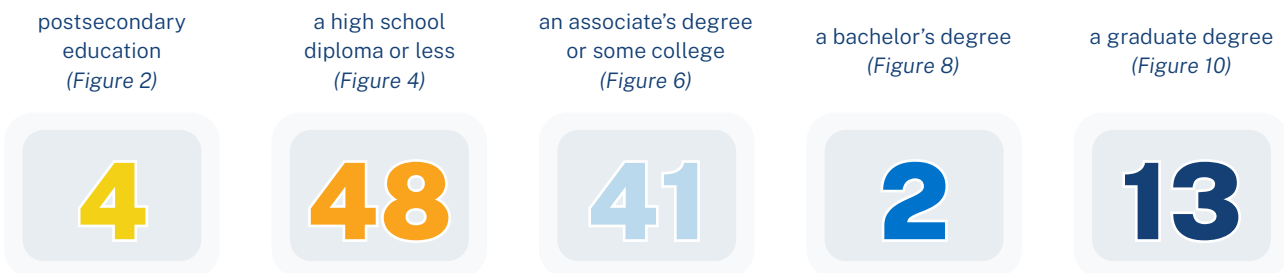
Between 2021 and 2031, net new jobs in Colorado requiring postsecondary education and training will grow by 246,000 while net new jobs for workers with a high school education or less will grow by 80,000.

Colorado ranks 2nd among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 48th in the share of 2031 jobs for workers with a high school diploma or less. Colorado ranks 4th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Colorado, 73 percent (2,232,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Colorado state rank | Percentage of jobs in 2031 that will require:



Colorado: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	220,000	7%	29
High school diploma	618,000	20%	50
Some college, no degree	626,000	20%	37
Associate's degree	272,000	9%	41
Bachelor's degree	892,000	28%	2
Graduate degree	443,000	14%	13
Total	3,071,000	100%	

Colorado: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	758,000	838,000	80,000
Middle skills	805,000	898,000	93,000
Bachelor's degree or higher	1,182,000	1,335,000	153,000
Total	2,745,000	3,071,000	326,000

Colorado: Occupation

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	608,000	643,000	6%
Blue-Collar	574,000	629,000	10%
Food and Personal Services	435,000	490,000	13%
Managerial and Professional Office	374,000	425,000	14%
Education	163,000	187,000	15%
Healthcare	260,000	314,000	21%
STEM	235,000	272,000	16%
Community Services and Arts	96,000	110,000	15%
Total	2,745,000	3,070,000	12%

Colorado: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	13	60	71	23	106	23	296
Office and administrative support	15	79	103	36	99	16	348
Blue-Collar							
Farming, fishing, and forestry	2	3	2	1	2	0	10
Construction and extraction	39	51	39	14	12	2	157
Installation, maintenance, and equipment repair	14	46	33	15	11	3	122
Production	15	41	23	12	13	3	107
Transportation and material moving	27	93	53	18	34	8	233
Food and Personal Services							
Food preparation and serving	38	79	62	20	34	6	239
Personal care	7	24	21	7	22	5	86
Building and grounds cleaning and maintenance	32	35	18	5	8	2	100
Protective services	1	11	24	7	20	3	66
Managerial and Professional Office							
Management	4	17	23	12	63	30	149
Business operations	2	19	23	12	80	37	173
Financial	0	1	6	3	46	19	75
Legal	0	1	2	2	6	17	28

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Colorado: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	8	15	8	67	87	187
Healthcare							
Healthcare professional and technical	1	5	16	25	64	66	177
Healthcare support	7	25	51	24	25	4	136
STEM							
Computer and mathematical sciences	1	7	20	11	83	35	157
Architecture, surveying, drafting, and technical	0	2	5	5	8	3	23
Engineering	0	1	2	2	30	15	50
Life and physical sciences	0	2	2	1	12	15	32
Social sciences	*	*	0	*	2	6	8
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	3	6	3	25	9	47
Community and social services	1	4	5	5	19	29	63
TOTAL**	222	617	625	271	891	443	3,069

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Connecticut

Between 2021 and 2031, an average of 197,000 job openings will be created annually in Connecticut both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 135,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 50,000 of these annual job openings will be for those with a high school diploma.
- ◇ 12,000 of these annual job openings will be for those with less than a high school diploma.

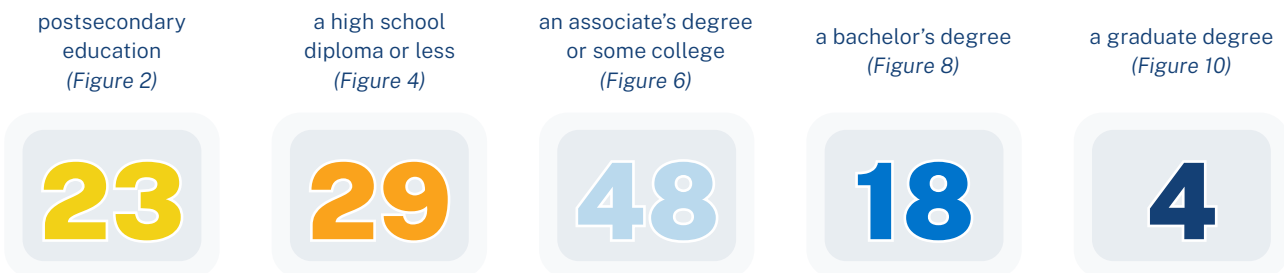
Between 2021 and 2031, net new jobs in Connecticut requiring postsecondary education and training will grow by 86,000 while net new jobs for workers with a high school education or less will grow by 31,000.

Connecticut ranks 18th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 29th in the share of 2031 jobs for workers with a high school diploma or less. Connecticut ranks 23rd in the share of jobs requiring postsecondary education in 2031. Of all jobs in Connecticut, 69 percent (1,166,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Connecticut state rank | Percentage of jobs in 2031 that will require:



Connecticut: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	105,000	6%	35
High school diploma	428,000	25%	26
Some college, no degree	311,000	18%	44
Associate's degree	132,000	8%	47
Bachelor's degree	412,000	24%	18
Graduate degree	312,000	18%	4
Total	1,700,000	100%	

Connecticut: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	502,000	533,000	31,000
Middle skills	415,000	443,000	28,000
Bachelor's degree or higher	666,000	724,000	58,000
Total	1,583,000	1,700,000	117,000

Connecticut: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	351,000	346,000	-1%
Blue-Collar	303,000	321,000	6%
Food and Personal Services	231,000	242,000	5%
Managerial and Professional Office	234,000	253,000	8%
Education	123,000	141,000	15%
Healthcare	186,000	224,000	20%
STEM	99,000	109,000	10%
Community Services and Arts	56,000	64,000	14%
Total	1,583,000	1,700,000	7%

Connecticut: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	7	32	29	14	40	12	134
Office and administrative support	5	59	60	18	54	14	210
Blue-Collar							
Farming, fishing, and forestry	0	0	0	0	0	0	0
Construction and extraction	9	25	8	3	5	1	51
Installation, maintenance, and equipment repair	3	28	13	5	4	0	53
Production	13	38	22	7	5	1	86
Transportation and material moving	17	67	23	6	14	3	130
Food and Personal Services							
Food preparation and serving	19	42	25	9	13	3	111
Personal care	3	17	8	3	7	2	40
Building and grounds cleaning and maintenance	14	24	10	3	5	1	57
Protective services	1	7	13	4	8	3	36
Managerial and Professional Office							
Management	2	18	16	9	51	36	132
Business operations	2	4	7	3	35	14	65
Financial	0	2	2	2	23	12	41
Legal	*	1	1	1	2	10	15

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Connecticut: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	6	7	5	33	89	141
Healthcare							
Healthcare professional and technical	1	9	13	13	37	43	116
Healthcare support	7	38	34	13	11	3	106
STEM							
Computer and mathematical sciences	1	3	7	4	23	18	56
Architecture, surveying, drafting, and technical	0	2	1	1	2	1	7
Engineering	*	1	1	1	16	11	30
Life and physical sciences	0	0	1	0	3	7	11
Social sciences	*	*	*	*	0	4	4
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	3	3	2	10	4	22
Community and social services	0	2	4	4	10	21	41
TOTAL**	105	428	308	130	411	313	1,695

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Delaware

Between 2021 and 2031, an average of 56,000 job openings will be created annually in Delaware both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 36,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 15,000 of these annual job openings will be for those with a high school diploma.
- ◇ 4,000 of these annual job openings will be for those with less than a high school diploma.

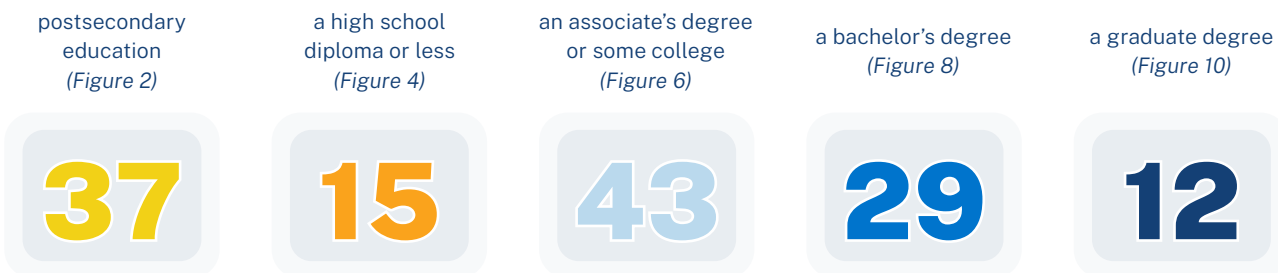
Between 2021 and 2031, net new jobs in Delaware requiring postsecondary education and training will grow by 28,000 while net new jobs for workers with a high school education or less will grow by 14,000.

Delaware ranks 29th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 15th in the share of 2031 jobs for workers with a high school diploma or less. Delaware ranks 37th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Delaware, 65 percent (312,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Delaware state rank | Percentage of jobs in 2031 that will require:



Delaware: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	37,000	8%	21
High school diploma	133,000	28%	13
Some college, no degree	88,000	18%	45
Associate's degree	47,000	10%	33
Bachelor's degree	108,000	22%	29
Graduate degree	70,000	14%	12
Total	483,000	100%	

Delaware: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	156,000	170,000	14,000
Middle skills	123,000	135,000	12,000
Bachelor's degree or higher	162,000	178,000	16,000
Total	441,000	483,000	42,000

Delaware: Occupation

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	105,000	107,000	2%
Blue-Collar	90,000	95,000	6%
Food and Personal Services	70,000	81,000	16%
Managerial and Professional Office	57,000	63,000	11%
Education	29,000	33,000	14%
Healthcare	51,000	61,000	20%
STEM	27,000	28,000	4%
Community Services and Arts	12,000	14,000	17%
Total	441,000	482,000	9%

Delaware: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	3	13	7	4	11	4	42
Office and administrative support	1	21	17	7	16	4	66
Blue-Collar							
Farming, fishing, and forestry	0	0	*	0	0	0	0
Construction and extraction	3	9	4	1	1	0	18
Installation, maintenance, and equipment repair	3	9	4	1	1	0	18
Production	3	6	6	1	2	*	18
Transportation and material moving	7	15	10	3	2	2	39
Food and Personal Services							
Food preparation and serving	6	18	6	4	3	2	39
Personal care	0	6	2	1	4	1	14
Building and grounds cleaning and maintenance	6	8	3	1	1	0	19
Protective services	*	3	3	0	4	1	11
Managerial and Professional Office							
Management	1	4	3	2	8	5	23
Business operations	1	2	3	1	8	4	19
Financial	*	1	2	1	8	3	15
Legal	0	1	1	1	1	3	7

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Delaware: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	4	1	3	11	14	33
Healthcare							
Healthcare professional and technical	1	2	4	7	11	11	36
Healthcare support	1	8	7	6	2	2	26
STEM							
Computer and mathematical sciences	1	1	1	1	8	6	18
Architecture, surveying, drafting, and technical	*	0	0	1	1	*	2
Engineering	*	1	0	0	2	1	4
Life and physical sciences	*	1	0	0	1	2	4
Social sciences	*	*	*	*	0	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	1	1	1	1	1	5
Community and social services	0	1	1	1	2	3	8
TOTAL**	37	135	86	48	109	70	485

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

District of Columbia

Between 2021 and 2031, an average of 95,000 job openings will be created annually in the District of Columbia both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 80,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 10,000 of these annual job openings will be for those with a high school diploma.
- ◇ 4,000 of these annual job openings will be for those with less than a high school diploma.

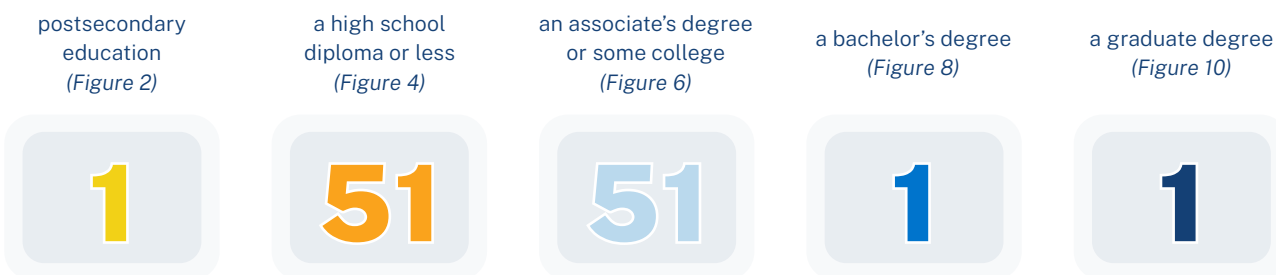
Between 2021 and 2031, net new jobs in the District of Columbia requiring postsecondary education and training will grow by 50,000 while net new jobs for workers with a high school education or less will decline by 10,000.

The District of Columbia ranks 1st among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 51st in the share of 2031 jobs for workers with a high school diploma or less. The District of Columbia ranks 1st in the share of jobs requiring postsecondary education in 2031. Of all jobs in the District of Columbia, 85 percent (692,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

District of Columbia state rank | Percentage of jobs in 2031 that will require:



District of Columbia: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	35,000	4%	50
High school diploma	90,000	11%	51
Some college, no degree	93,000	11%	51
Associate's degree	35,000	4%	51
Bachelor's degree	266,000	33%	1
Graduate degree	298,000	36%	1
Total	817,000	100%	

District of Columbia: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	135,000	125,000	-10,000
Middle skills	130,000	128,000	-2,000
Bachelor's degree or higher	512,000	564,000	52,000
Total	777,000	817,000	40,000

District of Columbia: Occupation

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	109,000	110,000	1%
Blue-Collar	53,000	54,000	2%
Food and Personal Services	129,000	100,000	-22%
Managerial and Professional Office	251,000	283,000	13%
Education	39,000	44,000	13%
Healthcare	54,000	64,000	19%
STEM	88,000	100,000	14%
Community Services and Arts	54,000	63,000	17%
Total	777,000	818,000	5%

District of Columbia: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	2	4	5	3	10	6	30
Office and administrative support	4	13	23	3	23	14	80
Blue-Collar							
Farming, fishing, and forestry	0	*	0	*	0	*	0
Construction and extraction	3	4	5	1	1	1	15
Installation, maintenance, and equipment repair	*	5	4	1	4	*	14
Production	*	5	1	*	1	0	7
Transportation and material moving	2	9	2	2	2	1	18
Food and Personal Services							
Food preparation and serving	5	8	7	3	4	1	28
Personal care	2	5	2	1	3	1	14
Building and grounds cleaning and maintenance	10	7	4	0	1	1	23
Protective services	2	8	7	6	7	4	34
Managerial and Professional Office							
Management	1	2	7	2	43	51	106
Business operations	0	3	5	1	55	44	108
Financial	*	*	0	0	15	10	25
Legal	*	0	1	*	4	39	44

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

District of Columbia: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	2	5	1	10	25	43
Healthcare							
Healthcare professional and technical	1	3	2	2	6	23	37
Healthcare support	*	9	4	5	9	1	28
STEM							
Computer and mathematical sciences	0	0	5	3	26	23	57
Architecture, surveying, drafting, and technical	*	*	*	*	3	2	5
Engineering	0	*	2	*	3	4	9
Life and physical sciences	1	0	*	*	3	6	10
Social sciences	0	*	0	*	4	14	18
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	1	1	1	24	18	46
Community and social services	*	2	1	*	4	10	17
TOTAL**	34	90	93	35	265	299	816

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Florida

Between 2021 and 2031, an average of 1,176,000 job openings will be created annually in Florida both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 755,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 317,000 of these annual job openings will be for those with a high school diploma.
- ◇ 105,000 of these annual job openings will be for those with less than a high school diploma.

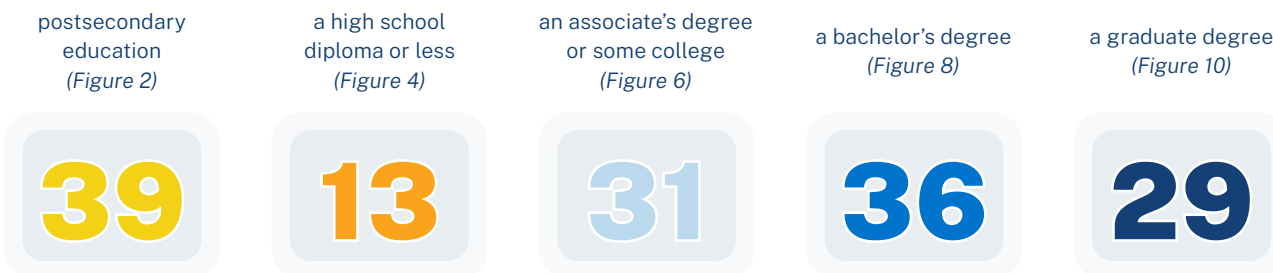
Between 2021 and 2031, net new jobs in Florida requiring postsecondary education and training will grow by 851,000 while net new jobs for workers with a high school education or less will grow by 474,000.

Florida ranks 36th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 13th in the share of 2031 jobs for workers with a high school diploma or less. Florida ranks 39th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Florida, 64 percent (6,527,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Florida state rank | Percentage of jobs in 2031 that will require:



Florida: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	905,000	9%	13
High school diploma	2,739,000	27%	16
Some college, no degree	2,055,000	20%	39
Associate's degree	1,208,000	12%	11
Bachelor's degree	2,168,000	21%	36
Graduate degree	1,097,000	11%	29
Total	10,172,000	100%	

Florida: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	3,170,000	3,644,000	474,000
Middle skills	2,850,000	3,263,000	413,000
Bachelor's degree or higher	2,827,000	3,265,000	438,000
Total	8,847,000	10,172,000	1,325,000

Florida: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	2,241,000	2,413,000	8%
Blue-Collar	1,872,000	2,124,000	13%
Food and Personal Services	1,618,000	1,945,000	20%
Managerial and Professional Office	1,124,000	1,311,000	17%
Education	446,000	515,000	15%
Healthcare	897,000	1,086,000	21%
STEM	405,000	489,000	21%
Community Services and Arts	244,000	288,000	18%
Total	8,847,000	10,171,000	15%

Florida: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	75	288	249	133	243	58	1,046
Office and administrative support	65	369	397	211	259	67	1,368
Blue-Collar							
Farming, fishing, and forestry	24	14	5	1	2	1	47
Construction and extraction	125	221	80	31	28	6	491
Installation, maintenance, and equipment repair	57	186	98	50	28	9	428
Production	50	133	69	34	32	7	325
Transportation and material moving	109	369	175	68	86	23	830
Food and Personal Services							
Food preparation and serving	179	381	236	108	101	16	1,021
Personal care	28	92	66	31	47	9	273
Building and grounds cleaning and maintenance	105	162	58	26	27	7	385
Protective services	6	59	81	46	57	17	266
Managerial and Professional Office							
Management	23	89	106	57	186	104	565
Business operations	10	58	74	59	174	69	444
Financial	2	17	21	14	89	49	192
Legal	2	7	10	9	19	62	109

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Florida: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	5	41	44	28	228	169	515
Healthcare							
Healthcare professional and technical	6	44	82	146	183	216	677
Healthcare support	22	137	103	78	55	15	410
STEM							
Computer and mathematical sciences	2	24	44	36	129	54	289
Architecture, surveying, drafting, and technical	4	11	11	7	12	6	51
Engineering	0	4	5	4	47	23	83
Life and physical sciences	*	4	3	3	21	16	47
Social sciences	*	*	0	0	3	13	16
Community Services and Arts							
Arts, design, entertainment, sports, and media	3	16	20	16	50	17	122
Community and social services	2	10	17	13	59	64	165
TOTAL**	904	2,736	2,054	1,209	2,165	1,097	10,165

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Georgia

Between 2021 and 2031, an average of 600,000 job openings will be created annually in Georgia both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◆ 396,000 of these annual job openings will be for workers with postsecondary credentials.
- ◆ 149,000 of these annual job openings will be for those with a high school diploma.
- ◆ 55,000 of these annual job openings will be for those with less than a high school diploma.

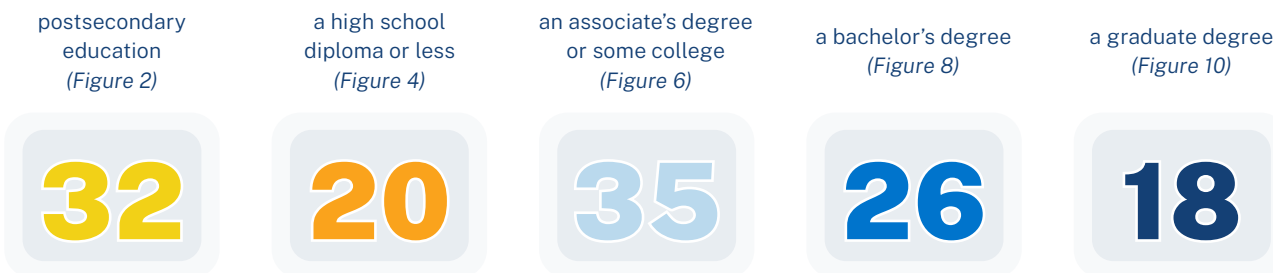
Between 2021 and 2031, net new jobs in Georgia requiring postsecondary education and training will grow by 420,000 while net new jobs for workers with a high school education or less will grow by 212,000.

Georgia ranks 26th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 20th in the share of 2031 jobs for workers with a high school diploma or less. Georgia ranks 32nd in the share of jobs requiring postsecondary education in 2031. Of all jobs in Georgia, 66 percent (3,421,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Georgia state rank | Percentage of jobs in 2031 that will require:



Georgia: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	478,000	9%	10
High school diploma	1,287,000	25%	31
Some college, no degree	1,122,000	22%	30
Associate's degree	482,000	9%	37
Bachelor's degree	1,161,000	22%	26
Graduate degree	657,000	13%	18
Total	5,187,000	100%	

Georgia: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	1,553,000	1,765,000	212,000
Middle skills	1,412,000	1,604,000	192,000
Bachelor's degree or higher	1,590,000	1,818,000	228,000
Total	4,555,000	5,187,000	632,000

Georgia: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	1,040,000	1,142,000	10%
Blue-Collar	1,119,000	1,250,000	12%
Food and Personal Services	683,000	802,000	17%
Managerial and Professional Office	623,000	717,000	15%
Education	284,000	315,000	11%
Healthcare	410,000	491,000	20%
STEM	262,000	306,000	17%
Community Services and Arts	134,000	162,000	21%
Total	4,555,000	5,185,000	14%

Georgia: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	29	130	139	44	137	30	509
Office and administrative support	25	160	204	82	128	33	632
Blue-Collar							
Farming, fishing, and forestry	8	6	2	0	1	0	17
Construction and extraction	54	67	30	9	7	1	168
Installation, maintenance, and equipment repair	27	81	68	25	16	2	219
Production	60	145	75	21	20	5	326
Transportation and material moving	74	224	117	45	47	11	518
Food and Personal Services							
Food preparation and serving	99	162	99	31	34	8	433
Personal care	9	32	30	12	19	4	106
Building and grounds cleaning and maintenance	45	54	26	7	8	1	141
Protective services	2	35	39	14	25	6	121
Managerial and Professional Office							
Management	13	46	59	25	126	76	345
Business operations	4	23	36	17	94	55	229
Financial	1	4	11	9	48	28	101
Legal	0	1	4	2	9	26	42

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Georgia: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	5	15	31	14	110	140	315
Healthcare							
Healthcare professional and technical	2	14	43	56	90	91	296
Healthcare support	13	55	55	34	30	8	195
STEM							
Computer and mathematical sciences	2	9	23	16	91	50	191
Architecture, surveying, drafting, and technical	1	5	6	3	6	3	24
Engineering	*	3	3	3	30	15	54
Life and physical sciences	1	2	3	2	10	13	31
Social sciences	*	*	0	0	2	6	8
Community Services and Arts							
Arts, design, entertainment, sports, and media	3	9	13	5	42	10	82
Community and social services	0	3	6	5	30	35	79
TOTAL**	477	1,285	1,122	481	1,160	657	5,182

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Hawaii

Between 2021 and 2031, an average of 72,000 job openings will be created annually in Hawaii both from new jobs and jobs that come open for other reasons, most frequently retirement.

This is how the vacancies will break down by education level:

- ◇ 51,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 18,000 of these annual job openings will be for those with a high school diploma.
- ◇ 3,000 of these annual job openings will be for those with less than a high school diploma.

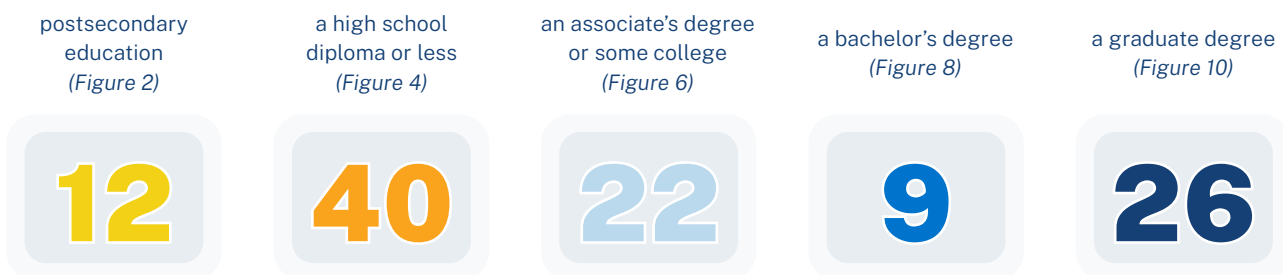
Between 2021 and 2031, net new jobs in Hawaii requiring postsecondary education and training will grow by 29,000 while net new jobs for workers with a high school education or less will grow by 4,000.

Hawaii ranks 9th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 40th in the share of 2031 jobs for workers with a high school diploma or less. Hawaii ranks 12th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Hawaii, 70 percent (437,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Hawaii state rank | Percentage of jobs in 2031 that will require:



Hawaii: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	30,000	5%	45
High school diploma	157,000	25%	27
Some college, no degree	134,000	21%	32
Associate's degree	76,000	12%	9
Bachelor's degree	158,000	25%	9
Graduate degree	69,000	11%	26
Total	624,000	100%	

Hawaii: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	183,000	187,000	4,000
Middle skills	200,000	210,000	10,000
Bachelor's degree or higher	208,000	227,000	19,000
Total	591,000	624,000	33,000

Hawaii: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	123,000	124,000	1%
Blue-Collar	123,000	132,000	7%
Food and Personal Services	124,000	117,000	-6%
Managerial and Professional Office	72,000	81,000	12%
Education	42,000	41,000	-2%
Healthcare	58,000	74,000	28%
STEM	29,000	33,000	14%
Community Services and Arts	19,000	22,000	16%
Total	590,000	624,000	6%

Hawaii: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	1	15	13	5	12	3	49
Office and administrative support	2	17	21	12	21	3	76
Blue-Collar							
Farming, fishing, and forestry	1	1	*	1	0	*	3
Construction and extraction	2	17	9	4	2	0	34
Installation, maintenance, and equipment repair	1	10	10	7	3	1	32
Production	1	5	4	2	0	*	12
Transportation and material moving	4	22	12	5	6	1	50
Food and Personal Services							
Food preparation and serving	7	18	13	6	8	0	52
Personal care	1	5	3	2	2	0	13
Building and grounds cleaning and maintenance	4	14	5	2	2	1	28
Protective services	1	7	4	3	6	1	22
Managerial and Professional Office							
Management	1	7	9	4	13	5	39
Business operations	1	3	4	2	12	4	26
Financial	1	0	1	0	7	3	12
Legal	*	0	0	1	1	3	5

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Hawaii: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	2	5	4	13	15	41
Healthcare							
Healthcare professional and technical	0	2	4	6	17	13	42
Healthcare support	0	5	9	5	11	1	31
STEM							
Computer and mathematical sciences	*	0	4	2	7	1	14
Architecture, surveying, drafting, and technical	0	1	1	1	1	1	5
Engineering	*	0	0	0	4	2	6
Life and physical sciences	*	1	0	0	3	2	6
Social sciences	*	*	0	0	0	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	2	1	1	4	1	9
Community and social services	0	2	1	2	3	7	15
TOTAL**	30	156	133	77	158	69	623

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Idaho

Between 2021 and 2031, an average of 103,000 job openings will be created annually in Idaho both from new jobs and jobs that come open for other reasons, most frequently retirement.

This is how the vacancies will break down by education level:

- ◇ 68,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 27,000 of these annual job openings will be for those with a high school diploma.
- ◇ 8,000 of these annual job openings will be for those with less than a high school diploma.

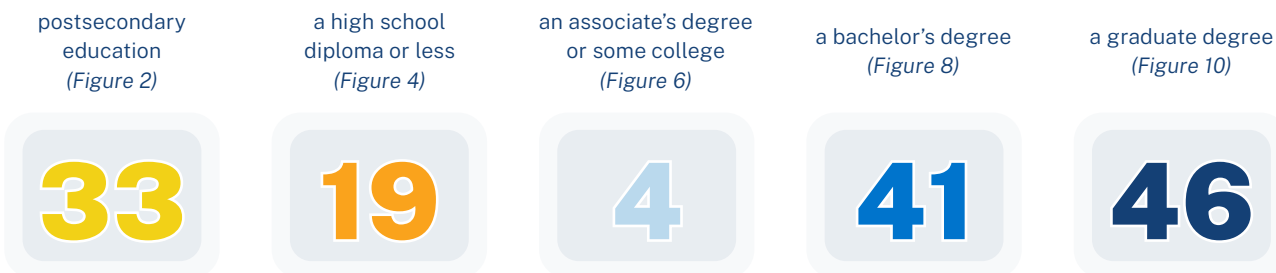
Between 2021 and 2031, net new jobs in Idaho requiring postsecondary education and training will grow by 76,000 while net new jobs for workers with a high school education or less will grow by 41,000.

Idaho ranks 41st among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 19th in the share of 2031 jobs for workers with a high school diploma or less. Idaho ranks 33rd in the share of jobs requiring postsecondary education in 2031. Of all jobs in Idaho, 66 percent (590,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Idaho state rank | Percentage of jobs in 2031 that will require:



Idaho: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	68,000	7%	23
High school diploma	238,000	27%	21
Some college, no degree	233,000	26%	3
Associate's degree	105,000	12%	12
Bachelor's degree	172,000	19%	41
Graduate degree	80,000	9%	46
Total	896,000	100%	

Idaho: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	265,000	306,000	41,000
Middle skills	293,000	338,000	45,000
Bachelor's degree or higher	221,000	252,000	31,000
Total	779,000	896,000	117,000

Idaho: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	179,000	195,000	9%
Blue-Collar	203,000	225,000	11%
Food and Personal Services	118,000	150,000	27%
Managerial and Professional Office	85,000	98,000	15%
Education	47,000	52,000	11%
Healthcare	81,000	98,000	21%
STEM	44,000	51,000	16%
Community Services and Arts	23,000	26,000	13%
Total	780,000	895,000	15%

Idaho: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	4	21	28	9	15	2	79
Office and administrative support	5	35	39	13	19	4	115
Blue-Collar							
Farming, fishing, and forestry	4	2	2	1	1	0	10
Construction and extraction	9	21	15	5	5	1	56
Installation, maintenance, and equipment repair	4	15	9	8	2	0	38
Production	8	22	14	5	4	1	54
Transportation and material moving	7	36	20	3	4	0	70
Food and Personal Services							
Food preparation and serving	11	32	25	9	4	1	82
Personal care	2	4	7	3	3	1	20
Building and grounds cleaning and maintenance	7	11	6	4	3	0	31
Protective services	0	2	5	4	4	1	16
Managerial and Professional Office							
Management	2	11	11	6	16	6	52
Business operations	0	2	6	3	13	4	28
Financial	*	1	1	1	6	2	11
Legal	*	0	2	0	1	3	6

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Idaho: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	3	8	3	23	15	52
Healthcare							
Healthcare professional and technical	*	3	6	8	16	18	51
Healthcare support	4	10	16	9	6	1	46
STEM							
Computer and mathematical sciences	0	1	6	4	10	1	22
Architecture, surveying, drafting, and technical	*	1	2	2	0	1	6
Engineering	*	0	1	1	6	3	11
Life and physical sciences	0	1	1	2	3	3	10
Social sciences	*	*	*	*	*	2	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	1	3	1	4	1	10
Community and social services	0	1	1	0	5	8	15
TOTAL**	67	236	234	104	173	79	893

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Illinois

Between 2021 and 2031, an average of 690,000 job openings will be created annually in Illinois both from new jobs and jobs that come open for other reasons, most frequently retirement.

This is how the vacancies will break down by education level:

- ◆ 482,000 of these annual job openings will be for workers with postsecondary credentials.
- ◆ 155,000 of these annual job openings will be for those with a high school diploma.
- ◆ 53,000 of these annual job openings will be for those with less than a high school diploma.

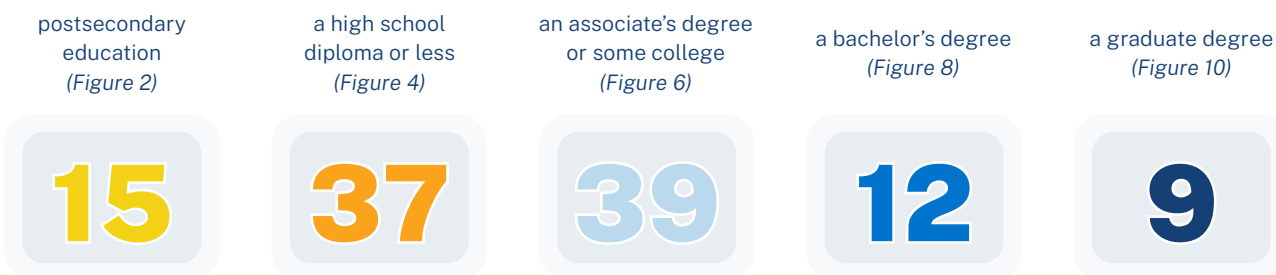
Between 2021 and 2031, net new jobs in Illinois requiring postsecondary education and training will grow by 196,000 while net new jobs for workers with a high school education or less will grow by 58,000.

Illinois ranks 12th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 37th in the share of 2031 jobs for workers with a high school diploma or less. Illinois ranks 15th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Illinois, 70 percent (4,168,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Illinois state rank | Percentage of jobs in 2031 that will require:



Illinois: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	461,000	8%	19
High school diploma	1,340,000	22%	41
Some college, no degree	1,235,000	21%	36
Associate's degree	558,000	9%	36
Bachelor's degree	1,499,000	25%	12
Graduate degree	876,000	15%	9
Total	5,969,000	100%	

Illinois: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	1,743,000	1,801,000	58,000
Middle skills	1,725,000	1,793,000	68,000
Bachelor's degree or higher	2,247,000	2,375,000	128,000
Total	5,715,000	5,969,000	254,000

Illinois: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	1,269,000	1,252,000	-1%
Blue-Collar	1,382,000	1,427,000	3%
Food and Personal Services	815,000	836,000	3%
Managerial and Professional Office	825,000	881,000	7%
Education	368,000	396,000	8%
Healthcare	573,000	651,000	14%
STEM	309,000	337,000	9%
Community Services and Arts	174,000	189,000	9%
Total	5,715,000	5,969,000	4%

Illinois: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	27	106	119	45	164	38	499
Office and administrative support	31	160	231	95	194	42	753
Blue-Collar							
Farming, fishing, and forestry	1	3	2	1	1	0	8
Construction and extraction	32	77	45	14	13	1	182
Installation, maintenance, and equipment repair	21	82	63	37	15	4	222
Production	80	155	89	28	30	7	389
Transportation and material moving	92	270	156	44	54	9	625
Food and Personal Services							
Food preparation and serving	76	143	102	34	42	8	405
Personal care	11	36	33	12	24	5	121
Building and grounds cleaning and maintenance	46	77	34	11	10	2	180
Protective services	4	24	36	19	36	10	129
Managerial and Professional Office							
Management	10	46	61	32	184	110	443
Business operations	1	19	35	16	125	65	261
Financial	1	5	8	7	72	33	126
Legal	0	2	3	1	9	37	52

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Illinois: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	15	28	23	133	194	395
Healthcare							
Healthcare professional and technical	1	17	42	66	123	127	376
Healthcare support	16	77	97	42	35	8	275
STEM							
Computer and mathematical sciences	3	9	21	14	103	58	208
Architecture, surveying, drafting, and technical	0	3	5	3	10	7	28
Engineering	0	2	3	3	32	15	55
Life and physical sciences	0	1	1	1	13	18	34
Social sciences	*	*	*	*	3	10	13
Community Services and Arts							
Arts, design, entertainment, sports, and media	2	7	9	5	38	12	73
Community and social services	2	4	11	4	36	58	115
TOTAL**	459	1,340	1,234	557	1,499	878	5,967

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Indiana

Between 2021 and 2031, an average of 378,000 job openings will be created annually in Indiana both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 236,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 112,000 of these annual job openings will be for those with a high school diploma.
- ◇ 31,000 of these annual job openings will be for those with less than a high school diploma.

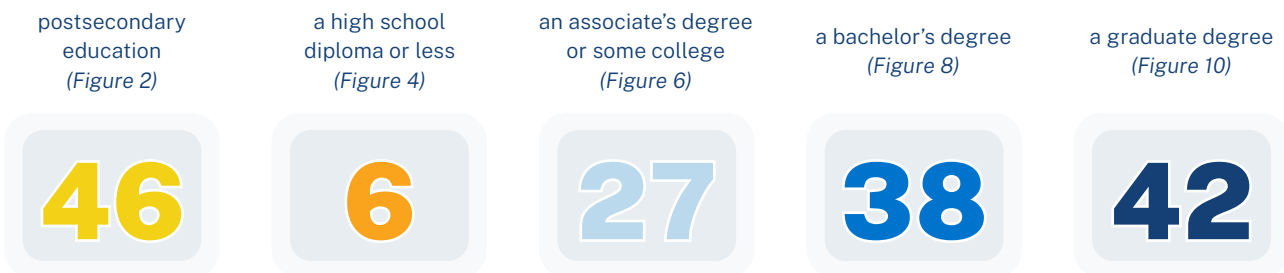
Between 2021 and 2031, net new jobs in Indiana requiring postsecondary education and training will grow by 159,000 while net new jobs for workers with a high school education or less will grow by 82,000.

Indiana ranks 38th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 6th in the share of 2031 jobs for workers with a high school diploma or less. Indiana ranks 46th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Indiana, 62 percent (2,038,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Indiana state rank | Percentage of jobs in 2031 that will require:



Indiana: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	265,000	8%	17
High school diploma	968,000	30%	5
Some college, no degree	705,000	22%	31
Associate's degree	354,000	11%	19
Bachelor's degree	671,000	20%	38
Graduate degree	308,000	9%	42
Total	3,271,000	100%	

Indiana: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	1,151,000	1,233,000	82,000
Middle skills	983,000	1,059,000	76,000
Bachelor's degree or higher	896,000	979,000	83,000
Total	3,030,000	3,271,000	241,000

Indiana: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	636,000	656,000	3%
Blue-Collar	928,000	969,000	4%
Food and Personal Services	449,000	504,000	12%
Managerial and Professional Office	296,000	331,000	12%
Education	167,000	176,000	5%
Healthcare	316,000	366,000	16%
STEM	145,000	164,000	13%
Community Services and Arts	93,000	105,000	13%
Total	3,030,000	3,271,000	8%

Indiana: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	21	81	72	29	63	15	281
Office and administrative support	17	101	117	52	77	11	375
Blue-Collar							
Farming, fishing, and forestry	2	1	2	0	1	0	6
Construction and extraction	22	62	27	15	7	0	133
Installation, maintenance, and equipment repair	13	64	37	23	10	1	148
Production	52	152	80	31	23	4	342
Transportation and material moving	47	159	83	26	22	3	340
Food and Personal Services							
Food preparation and serving	40	124	73	18	24	2	281
Personal care	5	20	19	7	12	3	66
Building and grounds cleaning and maintenance	23	45	17	6	5	1	97
Protective services	2	17	17	9	15	3	63
Managerial and Professional Office							
Management	6	28	28	13	60	29	164
Business operations	1	15	14	8	42	22	102
Financial	*	3	5	3	28	10	49
Legal	*	1	1	2	3	11	18

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Indiana: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	11	16	10	73	65	176
Healthcare							
Healthcare professional and technical	1	17	23	50	74	56	221
Healthcare support	9	44	46	28	13	4	144
STEM							
Computer and mathematical sciences	0	9	10	8	37	14	78
Architecture, surveying, drafting, and technical	1	4	3	4	4	2	18
Engineering	1	2	3	4	22	8	40
Life and physical sciences	0	2	2	1	10	8	23
Social sciences	*	*	0	*	1	5	6
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	3	5	4	21	5	39
Community and social services	0	5	5	3	26	27	66
TOTAL**	265	970	705	354	673	309	3,276

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Iowa

Between 2021 and 2031, an average of 195,000 job openings will be created annually in Iowa both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 137,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 48,000 of these annual job openings will be for those with a high school diploma.
- ◇ 11,000 of these annual job openings will be for those with less than a high school diploma.

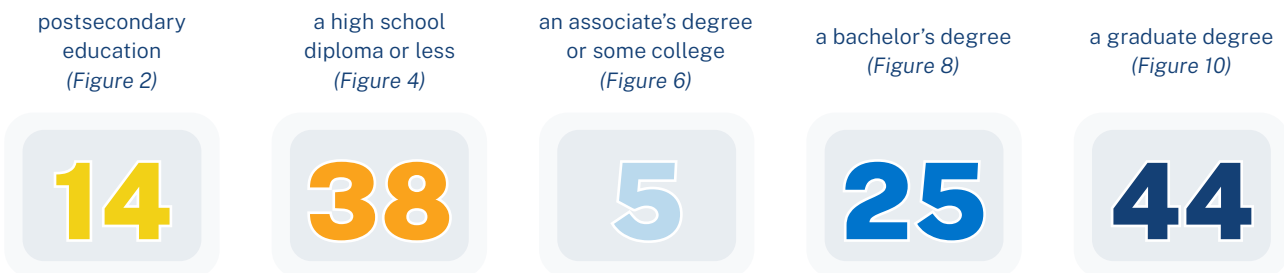
Between 2021 and 2031, net new jobs in Iowa requiring postsecondary education and training will grow by 113,000 while net new jobs for workers with a high school education or less will grow by 46,000.

Iowa ranks 25th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 38th in the share of 2031 jobs for workers with a high school diploma or less. Iowa ranks 14th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Iowa, 70 percent (1,181,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Iowa state rank | Percentage of jobs in 2031 that will require:



Iowa: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	97,000	6%	43
High school diploma	411,000	24%	34
Some college, no degree	379,000	22%	22
Associate's degree	256,000	15%	2
Bachelor's degree	388,000	23%	25
Graduate degree	158,000	9%	44
Total	1,689,000	100%	

Iowa: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	462,000	508,000	46,000
Middle skills	575,000	635,000	60,000
Bachelor's degree or higher	493,000	546,000	53,000
Total	1,530,000	1,689,000	159,000

Iowa: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	335,000	351,000	5%
Blue-Collar	427,000	465,000	9%
Food and Personal Services	215,000	246,000	14%
Managerial and Professional Office	176,000	198,000	12%
Education	108,000	120,000	11%
Healthcare	148,000	172,000	16%
STEM	76,000	86,000	13%
Community Services and Arts	45,000	51,000	13%
Total	1,530,000	1,689,000	10%

Iowa: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	10	31	45	20	43	6	155
Office and administrative support	2	45	61	33	48	7	196
Blue-Collar							
Farming, fishing, and forestry	2	4	2	1	1	0	10
Construction and extraction	10	28	19	9	6	0	72
Installation, maintenance, and equipment repair	4	26	24	19	4	0	77
Production	19	60	36	18	12	2	147
Transportation and material moving	15	71	41	20	9	2	158
Food and Personal Services							
Food preparation and serving	16	57	30	16	9	0	128
Personal care	1	9	14	9	6	1	40
Building and grounds cleaning and maintenance	7	26	9	6	3	0	51
Protective services	1	7	5	6	5	1	25
Managerial and Professional Office							
Management	2	14	18	13	39	14	100
Business operations	0	4	10	6	34	5	59
Financial	*	1	4	2	20	6	33
Legal	*	0	1	1	1	6	9

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Iowa: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	3	5	8	9	48	48	121
Healthcare							
Healthcare professional and technical	0	4	8	31	26	26	95
Healthcare support	3	14	30	20	9	1	77
STEM							
Computer and mathematical sciences	1	3	4	8	20	10	46
Architecture, surveying, drafting, and technical	0	1	3	2	4	1	11
Engineering	0	0	1	1	10	3	15
Life and physical sciences	0	1	1	1	7	2	12
Social sciences	*	*	*	*	1	1	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	3	3	3	9	4	22
Community and social services	0	0	2	2	14	11	29
TOTAL**	96	414	379	256	388	157	1,690

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Kansas

Between 2021 and 2031, an average of 171,000 job openings will be created annually in Kansas both from new jobs and jobs that come open for other reasons, most frequently retirement.

This is how the vacancies will break down by education level:

- ◇ 118,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 39,000 of these annual job openings will be for those with a high school diploma.
- ◇ 14,000 of these annual job openings will be for those with less than a high school diploma.

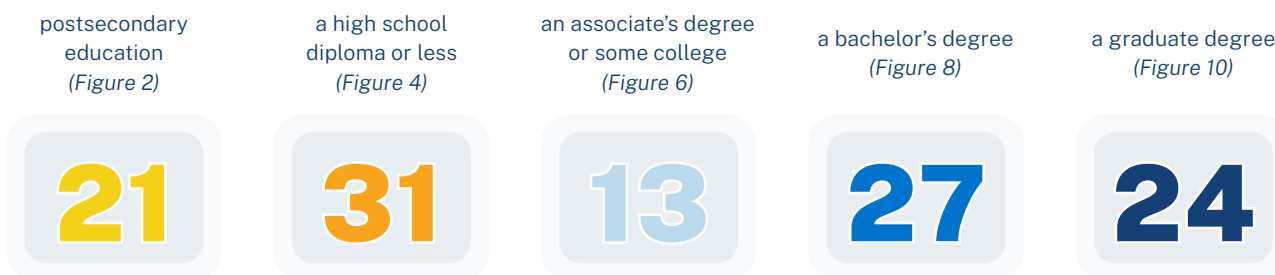
Between 2021 and 2031, net new jobs in Kansas requiring postsecondary education and training will grow by 60,000 while net new jobs for workers with a high school education or less will grow by 26,000.

Kansas ranks 27th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 31st in the share of 2031 jobs for workers with a high school diploma or less. Kansas ranks 21st in the share of jobs requiring postsecondary education in 2031. Of all jobs in Kansas, 69 percent (1,021,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Kansas state rank | Percentage of jobs in 2031 that will require:



Kansas: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	121,000	8%	16
High school diploma	338,000	23%	39
Some college, no degree	353,000	24%	14
Associate's degree	166,000	11%	14
Bachelor's degree	331,000	22%	27
Graduate degree	171,000	12%	24
Total	1,480,000	100%	

Kansas: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	433,000	459,000	26,000
Middle skills	491,000	519,000	28,000
Bachelor's degree or higher	470,000	502,000	32,000
Total	1,394,000	1,480,000	86,000

Kansas: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	304,000	303,000	0%
Blue-Collar	358,000	372,000	4%
Food and Personal Services	207,000	229,000	11%
Managerial and Professional Office	157,000	169,000	8%
Education	98,000	105,000	7%
Healthcare	154,000	176,000	14%
STEM	75,000	80,000	7%
Community Services and Arts	42,000	46,000	10%
Total	1,395,000	1,480,000	6%

Kansas: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	7	27	39	11	35	5	124
Office and administrative support	7	40	61	28	37	7	180
Blue-Collar							
Farming, fishing, and forestry	2	3	1	0	1	0	7
Construction and extraction	16	23	13	4	3	0	59
Installation, maintenance, and equipment repair	3	24	22	10	7	0	66
Production	20	38	33	7	7	2	107
Transportation and material moving	19	52	33	13	12	2	131
Food and Personal Services							
Food preparation and serving	22	46	28	12	10	2	120
Personal care	1	10	8	6	7	1	33
Building and grounds cleaning and maintenance	10	19	9	5	3	0	46
Protective services	1	4	10	4	8	3	30
Managerial and Professional Office							
Management	2	8	12	7	30	15	74
Business operations	0	5	12	5	25	11	58
Financial	1	1	2	2	16	6	28
Legal	*	0	1	0	1	6	8

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Kansas: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	7	10	6	35	47	106
Healthcare							
Healthcare professional and technical	1	4	12	22	31	27	97
Healthcare support	6	18	32	13	9	1	79
STEM							
Computer and mathematical sciences	0	2	4	6	21	11	44
Architecture, surveying, drafting, and technical	*	2	2	1	2	1	8
Engineering	*	0	1	1	10	4	16
Life and physical sciences	0	1	1	0	4	4	10
Social sciences	*	*	*	*	0	2	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	2	3	2	9	3	19
Community and social services	0	1	3	1	9	12	26
TOTAL**	119	337	352	166	332	172	1,478

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Kentucky

Between 2021 and 2031, an average of 237,000 job openings will be created annually in Kentucky both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 151,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 69,000 of these annual job openings will be for those with a high school diploma.
- ◇ 17,000 of these annual job openings will be for those with less than a high school diploma.

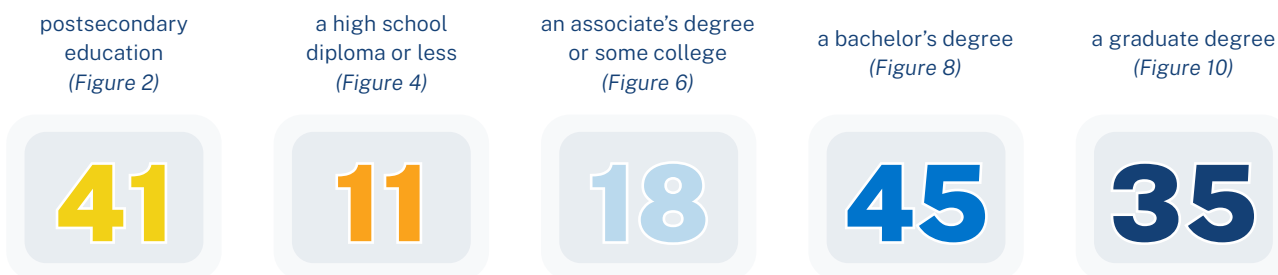
Between 2021 and 2031, net new jobs in Kentucky requiring postsecondary education and training will grow by 111,000 while net new jobs for workers with a high school education or less will grow by 59,000.

Kentucky ranks 45th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 11th in the share of 2031 jobs for workers with a high school diploma or less. Kentucky ranks 41st in the share of jobs requiring postsecondary education in 2031. Of all jobs in Kentucky, 63 percent (1,302,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Kentucky state rank | Percentage of jobs in 2031 that will require:



Kentucky: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	149,000	7%	27
High school diploma	600,000	28%	7
Some college, no degree	496,000	24%	11
Associate's degree	212,000	10%	24
Bachelor's degree	382,000	19%	45
Graduate degree	212,000	10%	35
Total	2,051,000	100%	

Kentucky: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	690,000	749,000	59,000
Middle skills	650,000	708,000	58,000
Bachelor's degree or higher	541,000	594,000	53,000
Total	1,881,000	2,051,000	170,000

Kentucky: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	416,000	435,000	5%
Blue-Collar	560,000	600,000	7%
Food and Personal Services	273,000	305,000	12%
Managerial and Professional Office	187,000	210,000	12%
Education	103,000	109,000	6%
Healthcare	203,000	235,000	16%
STEM	81,000	91,000	12%
Community Services and Arts	57,000	65,000	14%
Total	1,880,000	2,050,000	9%

Kentucky: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	13	54	48	15	37	9	176
Office and administrative support	5	70	92	37	45	9	258
Blue-Collar							
Farming, fishing, and forestry	3	3	1	0	1	0	8
Construction and extraction	12	38	17	5	2	1	75
Installation, maintenance, and equipment repair	10	41	26	15	5	0	97
Production	21	85	47	15	14	1	183
Transportation and material moving	29	114	58	12	23	3	239
Food and Personal Services							
Food preparation and serving	26	60	54	11	12	3	166
Personal care	2	14	14	2	6	1	39
Building and grounds cleaning and maintenance	12	29	11	2	2	0	56
Protective services	2	13	11	4	11	2	43
Managerial and Professional Office							
Management	4	17	18	11	36	18	104
Business operations	0	7	12	5	27	12	63
Financial	*	2	2	2	20	5	31
Legal	*	1	1	0	2	7	11

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Kentucky: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	8	10	9	28	52	109
Healthcare							
Healthcare professional and technical	1	7	17	33	39	45	142
Healthcare support	4	25	35	17	7	4	92
STEM							
Computer and mathematical sciences	1	2	9	7	20	6	45
Architecture, surveying, drafting, and technical	*	3	3	2	2	1	11
Engineering	*	1	2	1	11	5	20
Life and physical sciences	0	1	2	1	5	4	13
Social sciences	*	*	*	*	0	3	3
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	4	3	2	9	3	22
Community and social services	1	2	4	2	16	19	44
TOTAL**	149	601	497	210	380	213	2,050

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Louisiana

Between 2021 and 2031, an average of 236,000 job openings will be created annually in Louisiana both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 139,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 73,000 of these annual job openings will be for those with a high school diploma.
- ◇ 23,000 of these annual job openings will be for those with less than a high school diploma.

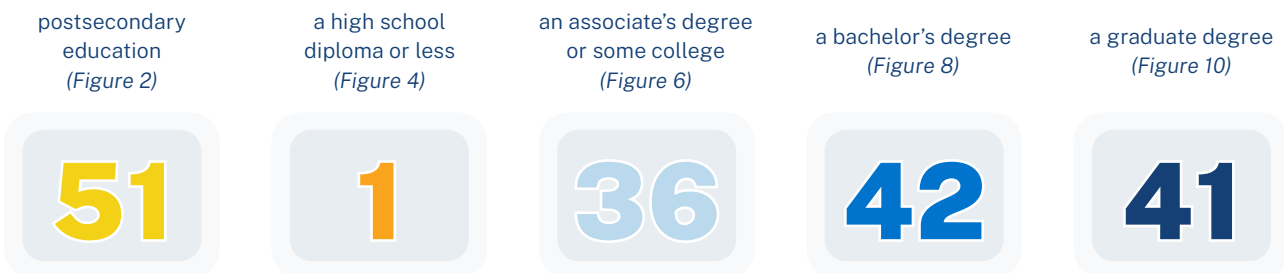
Between 2021 and 2031, net new jobs in Louisiana requiring postsecondary education and training will grow by 104,000 while net new jobs for workers with a high school education or less will grow by 64,000.

Louisiana ranks 42nd among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 1st in the share of 2031 jobs for workers with a high school diploma or less. Louisiana ranks 51st in the share of jobs requiring postsecondary education in 2031. Of all jobs in Louisiana, 59 percent (1,206,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Louisiana state rank | Percentage of jobs in 2031 that will require:



Louisiana: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	197,000	10%	8
High school diploma	633,000	31%	3
Some college, no degree	449,000	22%	26
Associate's degree	175,000	9%	44
Bachelor's degree	389,000	19%	42
Graduate degree	193,000	10%	41
Total	2,036,000	100%	

Louisiana: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	766,000	830,000	64,000
Middle skills	575,000	624,000	49,000
Bachelor's degree or higher	527,000	582,000	55,000
Total	1,868,000	2,036,000	168,000

Louisiana: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	419,000	432,000	3%
Blue-Collar	466,000	491,000	5%
Food and Personal Services	310,000	350,000	13%
Managerial and Professional Office	191,000	213,000	12%
Education	132,000	145,000	10%
Healthcare	225,000	264,000	17%
STEM	70,000	78,000	11%
Community Services and Arts	56,000	64,000	14%
Total	1,869,000	2,037,000	9%

Louisiana: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	15	55	54	15	42	7	188
Office and administrative support	9	75	83	27	41	9	244
Blue-Collar							
Farming, fishing, and forestry	3	3	1	0	1	0	8
Construction and extraction	25	49	21	4	5	2	106
Installation, maintenance, and equipment repair	11	43	20	11	6	1	92
Production	17	50	26	8	6	1	108
Transportation and material moving	30	88	39	8	12	1	178
Food and Personal Services							
Food preparation and serving	35	75	40	11	16	2	179
Personal care	4	20	11	5	8	3	51
Building and grounds cleaning and maintenance	14	31	10	2	3	0	60
Protective services	3	20	18	7	9	2	59
Managerial and Professional Office							
Management	4	25	22	7	34	16	108
Business operations	3	9	13	7	18	9	59
Financial	0	1	4	2	16	5	28
Legal	0	1	2	2	2	10	17

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Louisiana: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	12	14	8	67	42	145
Healthcare							
Healthcare professional and technical	2	12	19	30	47	42	152
Healthcare support	14	48	33	9	6	3	113
STEM							
Computer and mathematical sciences	1	3	5	3	11	7	30
Architecture, surveying, drafting, and technical	1	3	4	2	2	1	13
Engineering	1	1	1	0	13	3	19
Life and physical sciences	0	2	1	1	6	3	13
Social sciences	*	*	0	0	1	2	3
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	3	5	2	9	2	22
Community and social services	3	4	4	2	9	20	42
TOTAL**	198	633	450	173	390	193	2,037

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Maine

Between 2021 and 2031, an average of 70,000 job openings will be created annually in Maine both from new jobs and jobs that come open for other reasons, most frequently retirement.

This is how the vacancies will break down by education level:

- ◇ 47,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 20,000 of these annual job openings will be for those with a high school diploma.
- ◇ 3,000 of these annual job openings will be for those with less than a high school diploma.

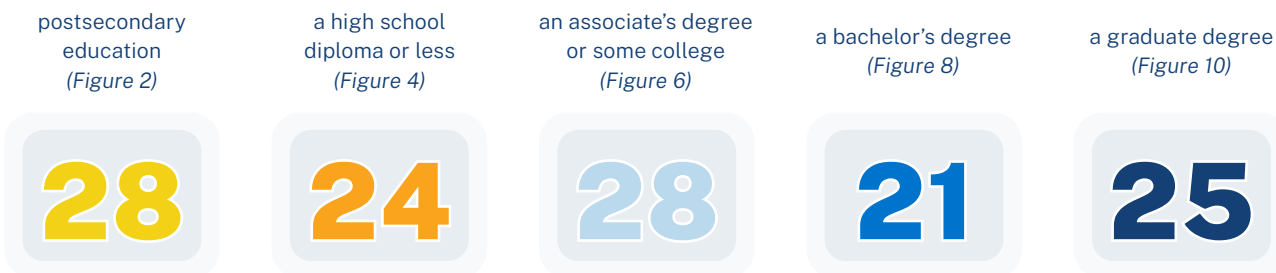
Between 2021 and 2031, net new jobs in Maine requiring postsecondary education and training will grow by 10,000 while net new jobs for workers with a high school education or less will grow by 2,000.

Maine ranks 21st among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 24th in the share of 2031 jobs for workers with a high school diploma or less. Maine ranks 28th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Maine, 67 percent (410,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Maine state rank | Percentage of jobs in 2031 that will require:



Maine: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	28,000	4%	48
High school diploma	171,000	28%	12
Some college, no degree	123,000	20%	38
Associate's degree	74,000	12%	8
Bachelor's degree	143,000	23%	21
Graduate degree	70,000	12%	25
Total	609,000	100%	

Maine: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	197,000	199,000	2,000
Middle skills	194,000	197,000	3,000
Bachelor's degree or higher	206,000	213,000	7,000
Total	597,000	609,000	12,000

Maine: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	131,000	125,000	-5%
Blue-Collar	138,000	139,000	1%
Food and Personal Services	89,000	90,000	1%
Managerial and Professional Office	69,000	73,000	6%
Education	41,000	43,000	5%
Healthcare	79,000	85,000	8%
STEM	29,000	32,000	10%
Community Services and Arts	21,000	22,000	5%
Total	597,000	609,000	2%

Maine: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	2	14	11	6	13	3	49
Office and administrative support	2	21	20	13	16	4	76
Blue-Collar							
Farming, fishing, and forestry	0	2	0	0	0	0	2
Construction and extraction	3	16	5	2	3	0	29
Installation, maintenance, and equipment repair	1	12	8	3	2	0	26
Production	3	16	9	5	2	0	35
Transportation and material moving	5	24	9	3	5	1	47
Food and Personal Services							
Food preparation and serving	4	17	11	4	6	1	43
Personal care	0	4	3	2	3	1	13
Building and grounds cleaning and maintenance	2	11	5	1	2	*	21
Protective services	*	3	2	3	3	1	12
Managerial and Professional Office							
Management	1	6	6	3	16	6	38
Business operations	1	3	4	1	9	2	20
Financial	*	1	1	1	5	2	10
Legal	*	0	*	0	1	2	3

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Maine: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	3	3	2	16	19	43
Healthcare							
Healthcare professional and technical	0	1	4	8	13	18	44
Healthcare support	3	11	16	9	2	0	41
STEM							
Computer and mathematical sciences	0	3	3	2	6	1	15
Architecture, surveying, drafting, and technical	*	2	1	1	1	0	5
Engineering	*	*	1	0	6	0	7
Life and physical sciences	0	0	0	1	1	1	3
Social sciences	*	*	*	*	0	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	1	1	1	3	1	7
Community and social services	*	1	1	1	6	5	14
TOTAL**	27	172	124	72	140	69	604

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Maryland

Between 2021 and 2031, an average of 344,000 job openings will be created annually in Maryland both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 238,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 81,000 of these annual job openings will be for those with a high school diploma.
- ◇ 25,000 of these annual job openings will be for those with less than a high school diploma.

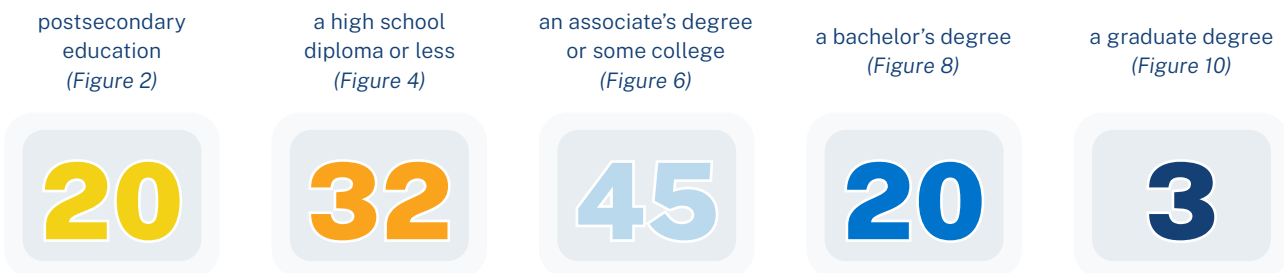
Between 2021 and 2031, net new jobs in Maryland requiring postsecondary education and training will grow by 224,000 while net new jobs for workers with a high school education or less will grow by 86,000.

Maryland ranks 20th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 32nd in the share of 2031 jobs for workers with a high school diploma or less. Maryland ranks 20th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Maryland, 69 percent (2,060,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Maryland state rank | Percentage of jobs in 2031 that will require:



Maryland: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	213,000	7%	28
High school diploma	698,000	23%	35
Some college, no degree	575,000	19%	42
Associate's degree	228,000	8%	48
Bachelor's degree	705,000	24%	20
Graduate degree	553,000	19%	3
Total	2,972,000	100%	

Maryland: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	825,000	911,000	86,000
Middle skills	722,000	803,000	81,000
Bachelor's degree or higher	1,115,000	1,258,000	143,000
Total	2,662,000	2,972,000	310,000

Maryland: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	565,000	591,000	5%
Blue-Collar	520,000	580,000	12%
Food and Personal Services	403,000	442,000	10%
Managerial and Professional Office	393,000	447,000	14%
Education	170,000	191,000	12%
Healthcare	276,000	330,000	20%
STEM	248,000	290,000	17%
Community Services and Arts	86,000	100,000	16%
Total	2,661,000	2,971,000	12%

Maryland: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	14	64	57	19	64	22	240
Office and administrative support	9	92	105	32	87	26	351
Blue-Collar							
Farming, fishing, and forestry	1	1	1	0	1	*	4
Construction and extraction	43	54	22	6	5	1	131
Installation, maintenance, and equipment repair	10	55	31	9	7	2	114
Production	9	43	20	4	10	2	88
Transportation and material moving	30	113	56	18	20	5	242
Food and Personal Services							
Food preparation and serving	34	73	40	18	18	3	186
Personal care	8	23	20	8	15	3	77
Building and grounds cleaning and maintenance	29	45	16	4	5	1	100
Protective services	2	20	27	8	19	6	82
Managerial and Professional Office							
Management	6	22	29	12	71	59	199
Business operations	2	12	18	10	66	52	160
Financial	0	2	4	3	32	21	62
Legal	0	1	2	0	5	19	27

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Maryland: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	11	15	8	55	99	190
Healthcare							
Healthcare professional and technical	1	10	24	23	60	78	196
Healthcare support	9	38	43	21	18	4	133
STEM							
Computer and mathematical sciences	2	8	24	11	73	49	167
Architecture, surveying, drafting, and technical	0	1	3	3	8	3	18
Engineering	0	3	2	1	21	23	50
Life and physical sciences	1	1	2	1	11	29	45
Social sciences	*	0	0	1	2	9	12
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	3	4	4	17	8	37
Community and social services	0	4	7	4	18	29	62
TOTAL**	213	699	572	228	708	553	2,973

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Massachusetts

Between 2021 and 2031, an average of 423,000 job openings will be created annually in Massachusetts both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 308,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 90,000 of these annual job openings will be for those with a high school diploma.
- ◇ 25,000 of these annual job openings will be for those with less than a high school diploma.

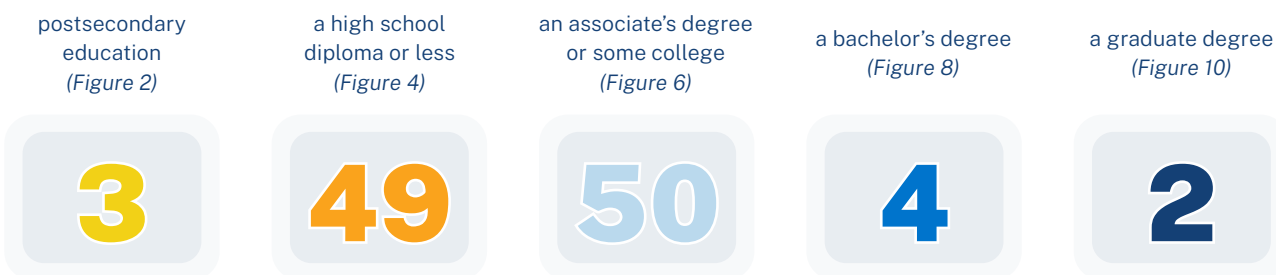
Between 2021 and 2031, net new jobs in Massachusetts requiring postsecondary education and training will grow by 167,000 while net new jobs for workers with a high school education or less will grow by 36,000.

Massachusetts ranks 4th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 49th in the share of 2031 jobs for workers with a high school diploma or less. Massachusetts ranks 3rd in the share of jobs requiring postsecondary education in 2031. Of all jobs in Massachusetts, 73 percent (2,667,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Massachusetts state rank | Percentage of jobs in 2031 that will require:



Massachusetts: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	217,000	6%	38
High school diploma	775,000	21%	45
Some college, no degree	581,000	16%	50
Associate's degree	275,000	7%	49
Bachelor's degree	1,040,000	28%	4
Graduate degree	771,000	21%	2
Total	3,659,000	100%	

Massachusetts: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	956,000	992,000	36,000
Middle skills	818,000	856,000	38,000
Bachelor's degree or higher	1,682,000	1,811,000	129,000
Total	3,456,000	3,659,000	203,000

Massachusetts: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	699,000	684,000	-2%
Blue-Collar	580,000	596,000	3%
Food and Personal Services	492,000	492,000	0%
Managerial and Professional Office	573,000	624,000	9%
Education	247,000	272,000	10%
Healthcare	438,000	507,000	16%
STEM	286,000	326,000	14%
Community Services and Arts	141,000	158,000	12%
Total	3,456,000	3,659,000	6%

Massachusetts: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	14	58	52	16	93	28	261
Office and administrative support	9	96	118	49	122	28	422
Blue-Collar							
Farming, fishing, and forestry	0	2	1	0	1	0	4
Construction and extraction	20	68	23	6	12	1	130
Installation, maintenance, and equipment repair	10	50	22	12	13	2	109
Production	19	56	29	6	18	3	131
Transportation and material moving	31	91	49	15	27	6	219
Food and Personal Services							
Food preparation and serving	30	74	40	20	38	6	208
Personal care	7	28	20	7	22	5	89
Building and grounds cleaning and maintenance	30	50	17	5	9	3	114
Protective services	1	17	22	10	21	10	81
Managerial and Professional Office							
Management	8	32	35	17	138	104	334
Business operations	3	10	17	7	88	50	175
Financial	0	2	5	4	45	27	83
Legal	1	1	1	0	5	25	33

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Massachusetts: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	3	12	14	13	78	152	272
Healthcare							
Healthcare professional and technical	1	15	19	31	89	104	259
Healthcare support	24	90	60	36	32	8	250
STEM							
Computer and mathematical sciences	1	8	17	7	82	66	181
Architecture, surveying, drafting, and technical	0	2	3	4	6	7	22
Engineering	0	1	3	2	25	24	55
Life and physical sciences	0	1	1	1	16	38	57
Social sciences	*	*	0	0	1	10	11
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	3	7	2	26	14	53
Community and social services	1	7	9	5	33	49	104
TOTAL**	214	774	584	275	1,040	770	3,657

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Michigan

Between 2021 and 2031, an average of 483,000 job openings will be created annually in Michigan both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 335,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 120,000 of these annual job openings will be for those with a high school diploma.
- ◇ 28,000 of these annual job openings will be for those with less than a high school diploma.

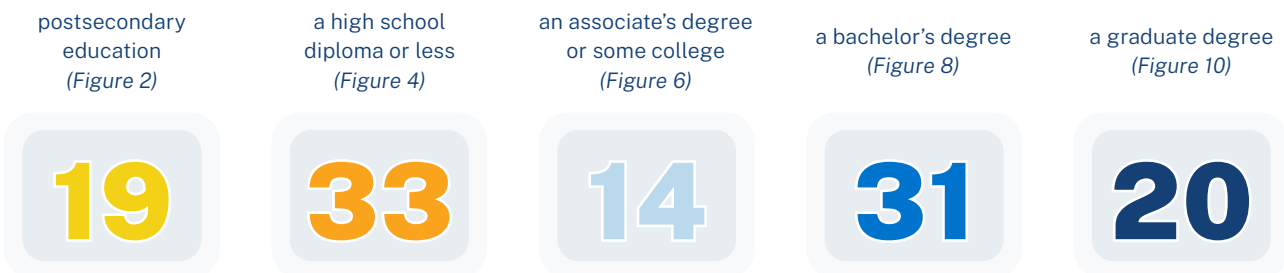
Between 2021 and 2031, net new jobs in Michigan requiring postsecondary education and training will grow by 114,000 while net new jobs for workers with a high school education or less will grow by 30,000.

Michigan ranks 31st among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 33rd in the share of 2031 jobs for workers with a high school diploma or less. Michigan ranks 19th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Michigan, 69 percent (2,900,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Michigan state rank | Percentage of jobs in 2031 that will require:



Michigan: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	242,000	6%	41
High school diploma	1,038,000	25%	30
Some college, no degree	1,021,000	24%	9
Associate's degree	445,000	11%	21
Bachelor's degree	916,000	22%	31
Graduate degree	518,000	12%	20
Total	4,180,000	100%	

Michigan: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	1,250,000	1,280,000	30,000
Middle skills	1,421,000	1,466,000	45,000
Bachelor's degree or higher	1,365,000	1,434,000	69,000
Total	4,036,000	4,180,000	144,000

Michigan: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	885,000	886,000	0%
Blue-Collar	1,048,000	1,071,000	2%
Food and Personal Services	564,000	564,000	0%
Managerial and Professional Office	469,000	508,000	8%
Education	224,000	229,000	2%
Healthcare	453,000	497,000	10%
STEM	268,000	289,000	8%
Community Services and Arts	125,000	136,000	9%
Total	4,036,000	4,180,000	4%

Michigan: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	23	102	109	37	88	18	377
Office and administrative support	10	113	170	76	112	28	509
Blue-Collar							
Farming, fishing, and forestry	4	3	1	1	1	0	10
Construction and extraction	19	73	38	10	6	2	148
Installation, maintenance, and equipment repair	10	61	57	23	15	2	168
Production	39	164	110	30	26	6	375
Transportation and material moving	47	155	106	30	26	6	370
Food and Personal Services							
Food preparation and serving	37	109	85	26	24	1	282
Personal care	6	23	26	10	15	3	83
Building and grounds cleaning and maintenance	20	58	28	7	7	2	122
Protective services	2	12	21	17	20	5	77
Managerial and Professional Office							
Management	7	35	42	18	82	45	229
Business operations	1	13	30	11	80	35	170
Financial	0	2	8	5	47	19	81
Legal	*	1	1	2	4	19	27

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Michigan: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	9	22	10	76	110	229
Healthcare							
Healthcare professional and technical	1	12	32	68	84	92	289
Healthcare support	10	67	83	28	15	5	208
STEM							
Computer and mathematical sciences	1	7	19	13	58	27	125
Architecture, surveying, drafting, and technical	0	4	5	8	5	3	25
Engineering	0	3	7	5	59	30	104
Life and physical sciences	0	1	1	1	14	11	28
Social sciences	*	*	*	*	1	6	7
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	7	10	6	23	7	54
Community and social services	1	4	8	4	28	36	81
TOTAL**	241	1,038	1,019	446	916	518	4,178

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Minnesota

Between 2021 and 2031, an average of 347,000 job openings will be created annually in Minnesota both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 256,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 71,000 of these annual job openings will be for those with a high school diploma.
- ◇ 20,000 of these annual job openings will be for those with less than a high school diploma.

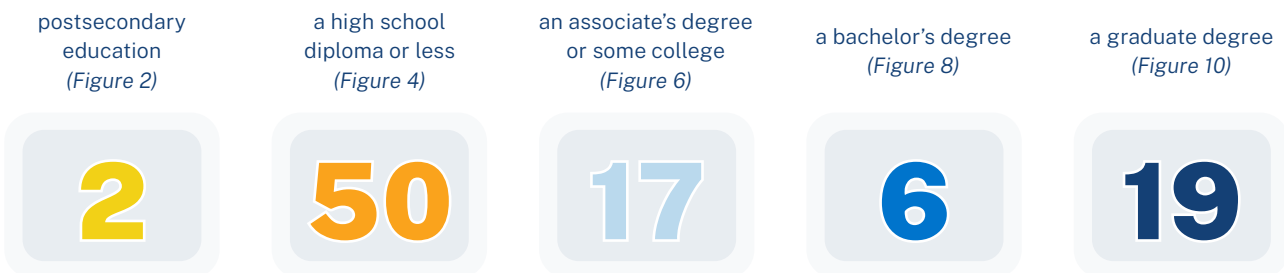
Between 2021 and 2031, net new jobs in Minnesota requiring postsecondary education and training will grow by 162,000 while net new jobs for workers with a high school education or less will grow by 49,000.

Minnesota ranks 6th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 50th in the share of 2031 jobs for workers with a high school diploma or less. Minnesota ranks 2nd in the share of jobs requiring postsecondary education in 2031. Of all jobs in Minnesota, 74 percent (2,214,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Minnesota state rank | Percentage of jobs in 2031 that will require:



Minnesota: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	174,000	6%	40
High school diploma	611,000	20%	49
Some college, no degree	628,000	21%	35
Associate's degree	411,000	14%	4
Bachelor's degree	803,000	27%	6
Graduate degree	372,000	12%	19
Total	2,999,000	100%	

Minnesota: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	736,000	785,000	49,000
Middle skills	968,000	1,039,000	71,000
Bachelor's degree or higher	1,084,000	1,175,000	91,000
Total	2,788,000	2,999,000	211,000

Minnesota: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	602,000	612,000	2%
Blue-Collar	627,000	663,000	6%
Food and Personal Services	370,000	386,000	4%
Managerial and Professional Office	373,000	411,000	10%
Education	170,000	186,000	9%
Healthcare	358,000	423,000	18%
STEM	183,000	201,000	10%
Community Services and Arts	105,000	117,000	11%
Total	2,788,000	2,999,000	8%

Minnesota: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	9	47	63	36	90	14	259
Office and administrative support	13	72	99	57	89	22	352
Blue-Collar							
Farming, fishing, and forestry	1	3	2	1	1	0	8
Construction and extraction	11	49	29	18	6	1	114
Installation, maintenance, and equipment repair	8	35	31	27	9	0	110
Production	30	75	51	24	20	4	204
Transportation and material moving	23	98	67	20	16	3	227
Food and Personal Services							
Food preparation and serving	23	53	61	18	29	4	188
Personal care	2	17	19	13	14	1	66
Building and grounds cleaning and maintenance	21	41	15	4	6	0	87
Protective services	1	6	7	11	16	4	45
Managerial and Professional Office							
Management	3	20	30	19	76	40	188
Business operations	0	9	18	14	76	21	138
Financial	*	3	5	6	38	12	64
Legal	*	0	2	3	3	12	20

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Minnesota: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	9	20	12	64	79	186
Healthcare							
Healthcare professional and technical	1	6	19	54	71	64	215
Healthcare support	23	54	56	46	26	4	209
STEM							
Computer and mathematical sciences	0	6	14	10	59	22	111
Architecture, surveying, drafting, and technical	0	2	3	6	5	5	21
Engineering	0	1	3	3	24	7	38
Life and physical sciences	0	1	1	1	10	10	23
Social sciences	*	*	*	*	0	7	7
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	3	6	4	21	7	42
Community and social services	1	3	8	4	34	27	77
TOTAL**	173	613	629	411	803	370	2,999

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Mississippi

Between 2021 and 2031, an average of 144,000 job openings will be created annually in Mississippi both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 91,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 39,000 of these annual job openings will be for those with a high school diploma.
- ◇ 14,000 of these annual job openings will be for those with less than a high school diploma.

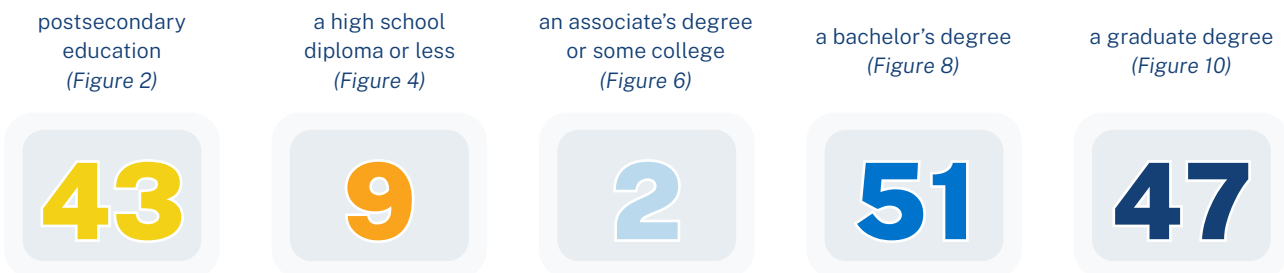
Between 2021 and 2031, net new jobs in Mississippi requiring postsecondary education and training will grow by 60,000 while net new jobs for workers with a high school education or less will grow by 39,000.

Mississippi ranks 51st among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 9th in the share of 2031 jobs for workers with a high school diploma or less. Mississippi ranks 43rd in the share of jobs requiring postsecondary education in 2031. Of all jobs in Mississippi, 63 percent (783,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Mississippi state rank | Percentage of jobs in 2031 that will require:



Mississippi: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	122,000	10%	7
High school diploma	339,000	27%	14
Some college, no degree	314,000	25%	6
Associate's degree	166,000	13%	6
Bachelor's degree	192,000	15%	51
Graduate degree	111,000	9%	47
Total	1,244,000	100%	

Mississippi: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	422,000	461,000	39,000
Middle skills	443,000	480,000	37,000
Bachelor's degree or higher	280,000	303,000	23,000
Total	1,145,000	1,244,000	99,000

Mississippi: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	256,000	268,000	5%
Blue-Collar	328,000	348,000	6%
Food and Personal Services	188,000	219,000	16%
Managerial and Professional Office	98,000	108,000	10%
Education	73,000	77,000	5%
Healthcare	131,000	145,000	11%
STEM	40,000	44,000	10%
Community Services and Arts	31,000	35,000	13%
Total	1,145,000	1,244,000	9%

Mississippi: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	8	35	38	15	23	3	122
Office and administrative support	6	31	54	26	24	5	146
Blue-Collar							
Farming, fishing, and forestry	2	2	2	1	0	0	7
Construction and extraction	12	20	8	3	2	0	45
Installation, maintenance, and equipment repair	8	24	17	7	3	1	60
Production	18	39	26	13	5	1	102
Transportation and material moving	17	59	34	15	8	2	135
Food and Personal Services							
Food preparation and serving	24	48	31	7	5	0	115
Personal care	4	6	10	6	2	0	28
Building and grounds cleaning and maintenance	11	19	8	2	1	0	41
Protective services	1	13	10	5	5	1	35
Managerial and Professional Office							
Management	3	9	13	7	16	10	58
Business operations	1	3	7	4	10	4	29
Financial	*	1	1	1	8	4	15
Legal	*	0	0	1	1	3	5

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Mississippi: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	5	9	8	26	29	78
Healthcare							
Healthcare professional and technical	1	3	12	27	24	20	87
Healthcare support	7	16	22	10	3	1	59
STEM							
Computer and mathematical sciences	*	1	5	3	5	4	18
Architecture, surveying, drafting, and technical	*	1	2	2	1	0	6
Engineering	*	1	0	0	7	2	10
Life and physical sciences	0	1	1	0	2	3	7
Social sciences	*	*	*	*	1	1	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	1	3	1	3	3	11
Community and social services	0	1	1	2	7	12	23
TOTAL**	124	339	314	166	192	109	1,244

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Missouri

Between 2021 and 2031, an average of 349,000 job openings will be created annually in Missouri both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 231,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 95,000 of these annual job openings will be for those with a high school diploma.
- ◇ 24,000 of these annual job openings will be for those with less than a high school diploma.

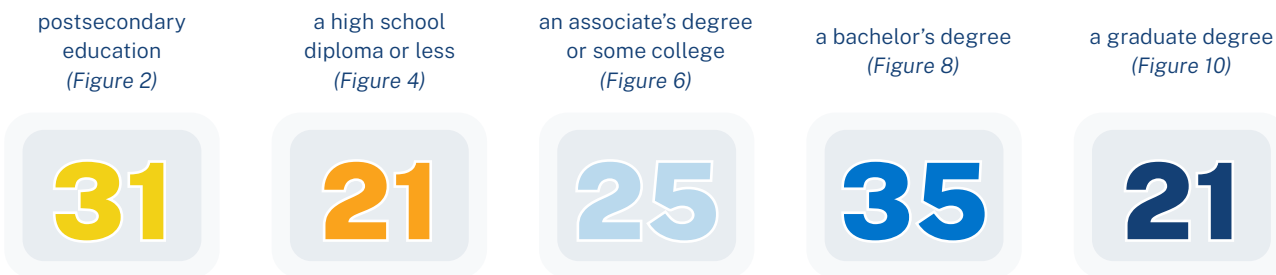
Between 2021 and 2031, net new jobs in Missouri requiring postsecondary education and training will grow by 143,000 while net new jobs for workers with a high school education or less will grow by 70,000.

Missouri ranks 35th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 21st in the share of 2031 jobs for workers with a high school diploma or less. Missouri ranks 31st in the share of jobs requiring postsecondary education in 2031. Of all jobs in Missouri, 66 percent (1,996,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Missouri state rank | Percentage of jobs in 2031 that will require:



Missouri: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	203,000	7%	31
High school diploma	818,000	27%	15
Some college, no degree	695,000	23%	18
Associate's degree	298,000	10%	30
Bachelor's degree	645,000	21%	35
Graduate degree	358,000	12%	21
Total	3,017,000	100%	

Missouri: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	951,000	1,021,000	70,000
Middle skills	925,000	993,000	68,000
Bachelor's degree or higher	928,000	1,003,000	75,000
Total	2,804,000	3,017,000	213,000

Missouri: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	655,000	660,000	1%
Blue-Collar	655,000	694,000	6%
Food and Personal Services	427,000	472,000	11%
Managerial and Professional Office	327,000	358,000	9%
Education	160,000	171,000	7%
Healthcare	343,000	395,000	15%
STEM	148,000	169,000	14%
Community Services and Arts	89,000	98,000	10%
Total	2,804,000	3,017,000	8%

Missouri: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	18	68	72	22	67	16	263
Office and administrative support	16	109	126	48	80	18	397
Blue-Collar							
Farming, fishing, and forestry	4	3	2	0	0	0	9
Construction and extraction	17	53	28	8	7	1	114
Installation, maintenance, and equipment repair	9	50	35	20	8	0	122
Production	23	100	46	16	14	1	200
Transportation and material moving	34	113	64	16	16	5	248
Food and Personal Services							
Food preparation and serving	36	108	63	18	22	2	249
Personal care	4	21	23	6	12	2	68
Building and grounds cleaning and maintenance	14	40	23	8	5	1	91
Protective services	3	10	20	12	15	3	63
Managerial and Professional Office							
Management	4	26	26	11	58	34	159
Business operations	1	10	16	10	53	22	112
Financial	0	2	7	3	34	18	64
Legal	0	1	2	1	4	15	23

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Missouri: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	8	12	8	60	82	171
Healthcare							
Healthcare professional and technical	1	16	33	44	58	61	213
Healthcare support	15	64	64	23	11	5	182
STEM							
Computer and mathematical sciences	0	6	16	11	50	22	105
Architecture, surveying, drafting, and technical	0	2	3	3	4	1	13
Engineering	0	1	1	2	20	5	29
Life and physical sciences	0	1	1	0	7	6	15
Social sciences	*	*	*	*	1	4	5
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	4	6	3	18	6	38
Community and social services	1	2	7	3	21	26	60
TOTAL**	202	818	696	296	645	356	3,013

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Montana

Between 2021 and 2031, an average of 61,000 job openings will be created annually in Montana both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 43,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 16,000 of these annual job openings will be for those with a high school diploma.
- ◇ 2,000 of these annual job openings will be for those with less than a high school diploma.

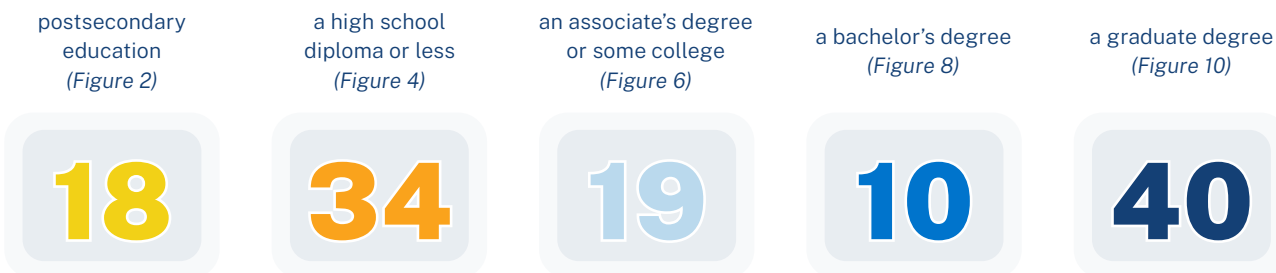
Between 2021 and 2031, net new jobs in Montana requiring postsecondary education and training will grow by 33,000 while net new jobs for workers with a high school education or less will grow by 17,000.

Montana ranks 10th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 34th in the share of 2031 jobs for workers with a high school diploma or less. Montana ranks 18th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Montana, 69 percent (368,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Montana state rank | Percentage of jobs in 2031 that will require:



Montana: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	19,000	4%	51
High school diploma	143,000	27%	17
Some college, no degree	127,000	24%	13
Associate's degree	54,000	10%	26
Bachelor's degree	134,000	25%	10
Graduate degree	52,000	10%	40
Total	529,000	100%	

Montana: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	145,000	162,000	17,000
Middle skills	164,000	181,000	17,000
Bachelor's degree or higher	170,000	186,000	16,000
Total	479,000	529,000	50,000

Montana: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	109,000	114,000	5%
Blue-Collar	111,000	121,000	9%
Food and Personal Services	86,000	103,000	20%
Managerial and Professional Office	49,000	54,000	10%
Education	30,000	32,000	7%
Healthcare	51,000	59,000	16%
STEM	26,000	28,000	8%
Community Services and Arts	17,000	19,000	12%
Total	479,000	530,000	11%

Montana: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	2	13	14	6	13	1	49
Office and administrative support	1	20	20	5	14	4	64
Blue-Collar							
Farming, fishing, and forestry	0	1	1	0	1	0	3
Construction and extraction	3	16	8	2	3	0	32
Installation, maintenance, and equipment repair	1	9	5	7	3	1	26
Production	1	8	5	3	3	0	20
Transportation and material moving	2	20	12	2	5	0	41
Food and Personal Services							
Food preparation and serving	5	20	17	4	9	3	58
Personal care	0	4	4	2	4	0	14
Building and grounds cleaning and maintenance	2	10	7	2	2	0	23
Protective services	*	2	2	1	3	1	9
Managerial and Professional Office							
Management	0	5	4	2	10	3	24
Business operations	*	2	3	3	9	1	18
Financial	0	1	1	2	4	1	9
Legal	*	0	0	1	0	2	3

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Montana: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	2	4	0	15	11	33
Healthcare							
Healthcare professional and technical	*	1	4	6	10	13	34
Healthcare support	0	6	10	3	4	0	23
STEM							
Computer and mathematical sciences	*	0	1	1	7	1	10
Architecture, surveying, drafting, and technical	0	0	1	1	0	0	2
Engineering	*	*	0	0	4	1	5
Life and physical sciences	*	1	1	0	4	2	8
Social sciences	*	*	*	*	0	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	1	2	1	3	1	9
Community and social services	0	0	1	1	5	4	11
TOTAL**	19	142	127	55	135	51	529

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Nebraska

Between 2021 and 2031, an average of 125,000 job openings will be created annually in Nebraska both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 90,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 26,000 of these annual job openings will be for those with a high school diploma.
- ◇ 9,000 of these annual job openings will be for those with less than a high school diploma.

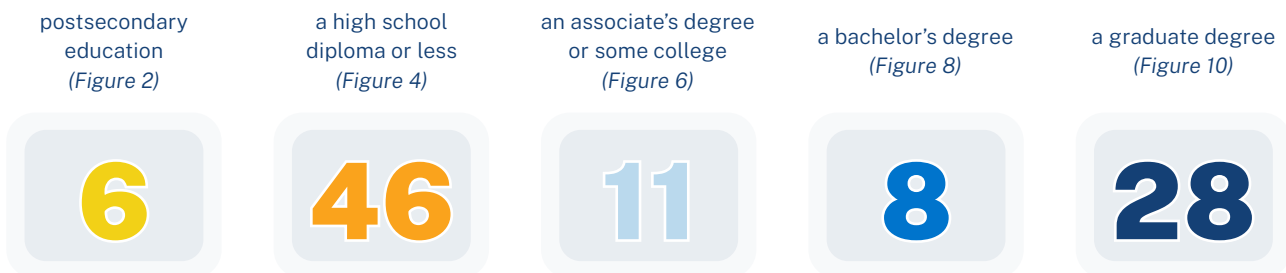
Between 2021 and 2031, net new jobs in Nebraska requiring postsecondary education and training will grow by 62,000 while net new jobs for workers with a high school education or less will grow by 23,000.

Nebraska ranks 8th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 46th in the share of 2031 jobs for workers with a high school diploma or less. Nebraska ranks 6th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Nebraska, 72 percent (778,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Nebraska state rank | Percentage of jobs in 2031 that will require:



Nebraska: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	82,000	7%	22
High school diploma	224,000	21%	47
Some college, no degree	254,000	23%	17
Associate's degree	130,000	12%	10
Bachelor's degree	276,000	26%	8
Graduate degree	118,000	11%	28
Total	1,084,000	100%	

Nebraska: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	283,000	306,000	23,000
Middle skills	354,000	384,000	30,000
Bachelor's degree or higher	362,000	394,000	32,000
Total	999,000	1,084,000	85,000

Nebraska: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	226,000	230,000	2%
Blue-Collar	264,000	282,000	7%
Food and Personal Services	144,000	166,000	15%
Managerial and Professional Office	112,000	123,000	10%
Education	67,000	75,000	12%
Healthcare	103,000	116,000	13%
STEM	54,000	59,000	9%
Community Services and Arts	29,000	33,000	14%
Total	999,000	1,084,000	9%

Nebraska: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	5	17	25	12	35	2	96
Office and administrative support	4	28	42	17	38	4	133
Blue-Collar							
Farming, fishing, and forestry	1	1	2	2	2	*	8
Construction and extraction	13	19	11	5	5	0	53
Installation, maintenance, and equipment repair	3	11	15	17	2	0	48
Production	16	25	14	7	9	1	72
Transportation and material moving	14	38	32	9	8	1	102
Food and Personal Services							
Food preparation and serving	8	31	28	6	11	1	85
Personal care	2	8	5	4	6	1	26
Building and grounds cleaning and maintenance	7	9	12	4	3	1	36
Protective services	0	3	6	2	6	2	19
Managerial and Professional Office							
Management	1	8	10	7	24	10	60
Business operations	1	2	7	1	18	7	36
Financial	*	1	2	1	14	3	21
Legal	0	*	0	1	1	4	6

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Nebraska: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	5	8	4	24	34	76
Healthcare							
Healthcare professional and technical	1	2	6	13	26	23	71
Healthcare support	3	10	17	6	6	1	43
STEM							
Computer and mathematical sciences	0	1	6	5	19	5	36
Architecture, surveying, drafting, and technical	1	0	1	1	1	0	4
Engineering	*	0	*	1	4	3	8
Life and physical sciences	0	0	0	1	3	3	7
Social sciences	*	*	*	*	0	2	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	1	2	2	6	2	13
Community and social services	0	1	3	1	5	10	20
TOTAL**	81	221	254	129	276	120	1,081

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Nevada

Between 2021 and 2031, an average of 178,000 job openings will be created annually in Nevada both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 109,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 48,000 of these annual job openings will be for those with a high school diploma.
- ◇ 21,000 of these annual job openings will be for those with less than a high school diploma.

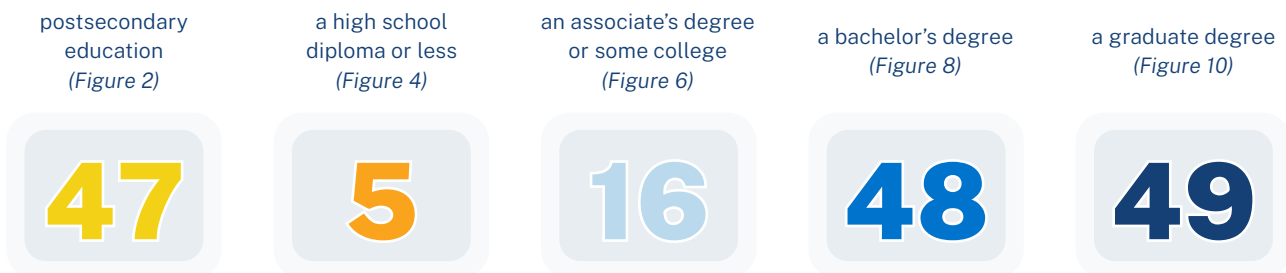
Between 2021 and 2031, net new jobs in Nevada requiring postsecondary education and training will grow by 147,000 while net new jobs for workers with a high school education or less will grow by 81,000.

Nevada ranks 48th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 5th in the share of 2031 jobs for workers with a high school diploma or less. Nevada ranks 47th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Nevada, 61 percent (939,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Nevada state rank | Percentage of jobs in 2031 that will require:



Nevada: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	184,000	12%	2
High school diploma	412,000	27%	19
Some college, no degree	391,000	25%	4
Associate's degree	142,000	9%	38
Bachelor's degree	273,000	18%	48
Graduate degree	134,000	9%	49
Total	1,536,000	100%	

Nevada: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	515,000	596,000	81,000
Middle skills	453,000	533,000	80,000
Bachelor's degree or higher	340,000	407,000	67,000
Total	1,308,000	1,536,000	228,000

Nevada: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	310,000	351,000	13%
Blue-Collar	311,000	371,000	19%
Food and Personal Services	294,000	325,000	11%
Managerial and Professional Office	138,000	168,000	22%
Education	55,000	68,000	24%
Healthcare	118,000	154,000	31%
STEM	50,000	62,000	24%
Community Services and Arts	32,000	37,000	16%
Total	1,308,000	1,536,000	17%

Nevada: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	12	48	43	12	27	7	149
Office and administrative support	13	57	72	19	33	7	201
Blue-Collar							
Farming, fishing, and forestry	1	1	0	0	0	*	2
Construction and extraction	31	41	19	5	5	1	102
Installation, maintenance, and equipment repair	10	20	19	7	3	1	60
Production	16	16	17	4	5	1	59
Transportation and material moving	27	60	35	10	12	3	147
Food and Personal Services							
Food preparation and serving	36	61	41	13	14	3	168
Personal care	5	18	15	5	9	2	54
Building and grounds cleaning and maintenance	20	24	10	2	3	1	60
Protective services	1	14	14	6	9	1	45
Managerial and Professional Office							
Management	3	12	21	8	30	12	86
Business operations	1	7	12	6	19	5	50
Financial	1	0	3	1	10	6	21
Legal	*	0	1	0	3	6	10

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Nevada: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	3	8	4	20	30	67
Healthcare							
Healthcare professional and technical	2	3	15	16	31	24	91
Healthcare support	2	16	27	10	7	1	63
STEM							
Computer and mathematical sciences	1	4	8	3	11	3	30
Architecture, surveying, drafting, and technical	*	1	2	2	3	0	8
Engineering	0	1	2	2	6	2	13
Life and physical sciences	*	1	1	2	3	4	11
Social sciences	*	*	*	0	1	1	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	3	5	1	5	2	17
Community and social services	0	1	2	1	6	9	19
TOTAL**	185	412	392	139	275	132	1,535

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

New Hampshire

Between 2021 and 2031, an average of 80,000 job openings will be created annually in New Hampshire both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 56,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 21,000 of these annual job openings will be for those with a high school diploma.
- ◇ 4,000 of these annual job openings will be for those with less than a high school diploma.

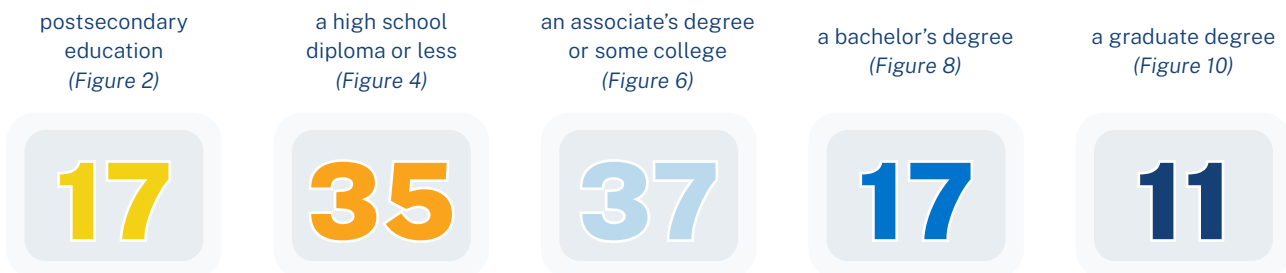
Between 2021 and 2031, net new jobs in New Hampshire requiring postsecondary education and training will grow by 37,000 while net new jobs for workers with a high school education or less will grow by 14,000.

New Hampshire ranks 17th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 35th in the share of 2031 jobs for workers with a high school diploma or less. New Hampshire ranks 17th in the share of jobs requiring postsecondary education in 2031. Of all jobs in New Hampshire, 69 percent (481,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

New Hampshire state rank | Percentage of jobs in 2031 that will require:



New Hampshire: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	32,000	5%	46
High school diploma	180,000	26%	22
Some college, no degree	138,000	20%	41
Associate's degree	74,000	11%	20
Bachelor's degree	169,000	24%	17
Graduate degree	101,000	14%	11
Total	694,000	100%	

New Hampshire: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	198,000	212,000	14,000
Middle skills	197,000	212,000	15,000
Bachelor's degree or higher	248,000	270,000	22,000
Total	643,000	694,000	51,000

New Hampshire: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	162,000	165,000	2%
Blue-Collar	138,000	146,000	6%
Food and Personal Services	93,000	104,000	12%
Managerial and Professional Office	79,000	88,000	11%
Education	43,000	46,000	7%
Healthcare	66,000	73,000	11%
STEM	43,000	50,000	16%
Community Services and Arts	19,000	21,000	11%
Total	643,000	693,000	8%

New Hampshire: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	5	16	18	10	18	5	72
Office and administrative support	2	28	23	12	22	6	93
Blue-Collar							
Farming, fishing, and forestry	0	0	0	*	0	0	0
Construction and extraction	3	14	5	1	2	0	25
Installation, maintenance, and equipment repair	1	13	7	4	2	0	27
Production	4	16	11	3	5	1	40
Transportation and material moving	5	27	11	2	6	1	52
Food and Personal Services							
Food preparation and serving	5	17	16	6	8	0	52
Personal care	0	6	5	2	3	0	16
Building and grounds cleaning and maintenance	2	11	5	2	2	0	22
Protective services	0	2	2	3	4	2	13
Managerial and Professional Office							
Management	1	7	5	4	16	13	46
Business operations	0	4	2	2	12	7	27
Financial	0	0	2	1	6	2	11
Legal	*	*	0	*	0	3	3

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

New Hampshire: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	2	2	3	15	23	45
Healthcare							
Healthcare professional and technical	*	1	4	8	15	17	45
Healthcare support	1	8	10	5	2	2	28
STEM							
Computer and mathematical sciences	0	2	5	2	12	6	27
Architecture, surveying, drafting, and technical	*	1	1	1	1	1	5
Engineering	*	2	1	1	5	3	12
Life and physical sciences	*	0	*	0	2	2	4
Social sciences	*	*	*	*	0	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	*	1	1	1	5	1	9
Community and social services	*	0	2	1	6	4	13
TOTAL**	29	178	138	74	169	100	688

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

New Jersey

Between 2021 and 2031, an average of 482,000 job openings will be created annually in New Jersey both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 329,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 118,000 of these annual job openings will be for those with a high school diploma.
- ◇ 35,000 of these annual job openings will be for those with less than a high school diploma.

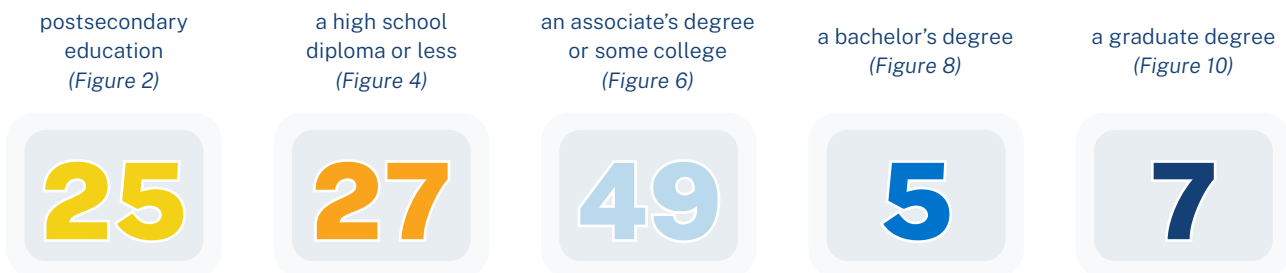
Between 2021 and 2031, net new jobs in New Jersey requiring postsecondary education and training will grow by 222,000 while net new jobs for workers with a high school education or less will grow by 87,000.

New Jersey ranks 5th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 27th in the share of 2031 jobs for workers with a high school diploma or less. New Jersey ranks 25th in the share of jobs requiring postsecondary education in 2031. Of all jobs in New Jersey, 68 percent (2,844,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

New Jersey state rank | Percentage of jobs in 2031 that will require:



New Jersey: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	306,000	7%	24
High school diploma	1,022,000	24%	33
Some college, no degree	730,000	17%	47
Associate's degree	305,000	7%	50
Bachelor's degree	1,148,000	28%	5
Graduate degree	661,000	16%	7
Total	4,172,000	100%	

New Jersey: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	1,241,000	1,328,000	87,000
Middle skills	965,000	1,035,000	70,000
Bachelor's degree or higher	1,657,000	1,809,000	152,000
Total	3,863,000	4,172,000	309,000

New Jersey: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	895,000	911,000	2%
Blue-Collar	842,000	905,000	7%
Food and Personal Services	571,000	600,000	5%
Managerial and Professional Office	512,000	570,000	11%
Education	284,000	307,000	8%
Healthcare	402,000	474,000	18%
STEM	234,000	264,000	13%
Community Services and Arts	123,000	140,000	14%
Total	3,863,000	4,171,000	8%

New Jersey: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	17	85	80	25	124	29	360
Office and administrative support	21	137	145	58	158	32	551
Blue-Collar							
Farming, fishing, and forestry	3	1	1	0	1	*	6
Construction and extraction	27	54	25	8	9	2	125
Installation, maintenance, and equipment repair	12	65	35	15	11	1	139
Production	31	73	31	11	20	5	171
Transportation and material moving	70	221	88	28	47	9	463
Food and Personal Services							
Food preparation and serving	43	95	50	19	36	9	252
Personal care	9	41	19	8	23	7	107
Building and grounds cleaning and maintenance	37	61	17	7	9	2	133
Protective services	1	22	31	12	34	8	108
Managerial and Professional Office							
Management	5	28	32	13	106	68	252
Business operations	3	10	22	9	97	53	194
Financial	*	2	3	3	49	30	87
Legal	0	1	2	1	6	24	34

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

New Jersey: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	5	20	24	14	118	126	307
Healthcare							
Healthcare professional and technical	3	13	30	32	87	98	263
Healthcare support	15	73	59	22	33	7	209
STEM							
Computer and mathematical sciences	1	6	14	11	75	54	161
Architecture, surveying, drafting, and technical	0	3	3	2	7	2	17
Engineering	*	1	2	2	23	11	39
Life and physical sciences	0	1	1	1	15	22	40
Social sciences	0	*	*	*	1	6	7
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	3	7	2	28	8	49
Community and social services	2	4	7	2	29	47	91
TOTAL**	306	1,020	728	305	1,146	660	4,165

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

New Mexico

Between 2021 and 2031, an average of 102,000 job openings will be created annually in New Mexico both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 65,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 26,000 of these annual job openings will be for those with a high school diploma.
- ◇ 11,000 of these annual job openings will be for those with less than a high school diploma.

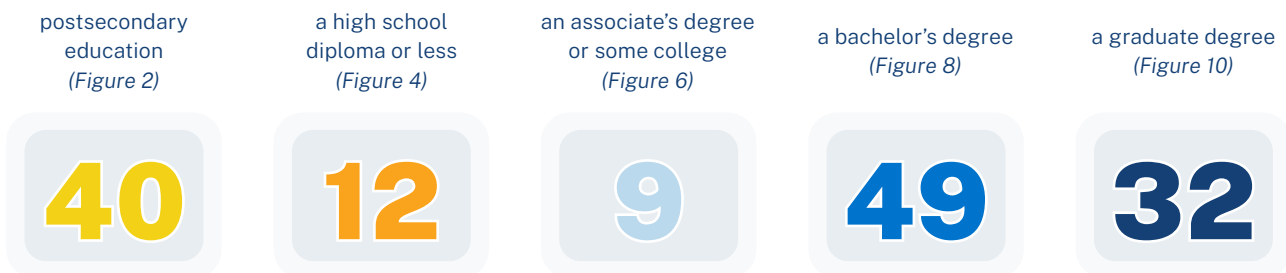
Between 2021 and 2031, net new jobs in New Mexico requiring postsecondary education and training will grow by 47,000 while net new jobs for workers with a high school education or less will grow by 26,000.

New Mexico ranks 49th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 12th in the share of 2031 jobs for workers with a high school diploma or less. New Mexico ranks 40th in the share of jobs requiring postsecondary education in 2031. Of all jobs in New Mexico, 64 percent (564,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

New Mexico state rank | Percentage of jobs in 2031 that will require:



New Mexico: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	97,000	11%	4
High school diploma	223,000	25%	25
Some college, no degree	215,000	24%	10
Associate's degree	100,000	11%	13
Bachelor's degree	157,000	18%	49
Graduate degree	92,000	10%	32
Total	884,000	100%	

New Mexico: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	294,000	320,000	26,000
Middle skills	289,000	315,000	26,000
Bachelor's degree or higher	228,000	249,000	21,000
Total	811,000	884,000	73,000

New Mexico: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	181,000	184,000	2%
Blue-Collar	174,000	193,000	11%
Food and Personal Services	136,000	146,000	7%
Managerial and Professional Office	86,000	96,000	12%
Education	53,000	56,000	6%
Healthcare	102,000	122,000	20%
STEM	54,000	59,000	9%
Community Services and Arts	25,000	28,000	12%
Total	811,000	884,000	9%

New Mexico: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	7	26	19	8	9	2	71
Office and administrative support	4	30	38	19	19	2	112
Blue-Collar							
Farming, fishing, and forestry	1	1	0	0	0	0	2
Construction and extraction	17	22	11	6	3	0	59
Installation, maintenance, and equipment repair	4	16	10	8	1	0	39
Production	6	11	5	4	2	0	28
Transportation and material moving	11	27	16	3	5	1	63
Food and Personal Services							
Food preparation and serving	18	24	19	6	6	1	74
Personal care	1	7	6	1	3	0	18
Building and grounds cleaning and maintenance	9	10	6	3	1	0	29
Protective services	1	5	12	3	4	1	26
Managerial and Professional Office							
Management	2	8	9	3	13	8	43
Business operations	1	6	6	4	10	6	33
Financial	*	0	2	1	6	4	13
Legal	*	1	2	1	1	4	9

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

New Mexico: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	3	6	4	21	21	56
Healthcare							
Healthcare professional and technical	2	3	7	11	17	15	55
Healthcare support	10	12	28	9	5	2	66
STEM							
Computer and mathematical sciences	*	1	4	2	9	4	20
Architecture, surveying, drafting, and technical	0	2	2	2	3	0	9
Engineering	*	1	0	1	4	7	13
Life and physical sciences	0	1	1	0	4	7	13
Social sciences	*	0	0	*	1	1	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	1	1	1	5	1	9
Community and social services	1	2	3	2	6	5	19
TOTAL**	96	220	213	102	158	92	881

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

New York

Between 2021 and 2031, an average of 1,145,000 job openings will be created annually in New York both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 796,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 254,000 of these annual job openings will be for those with a high school diploma.
- ◇ 94,000 of these annual job openings will be for those with less than a high school diploma.

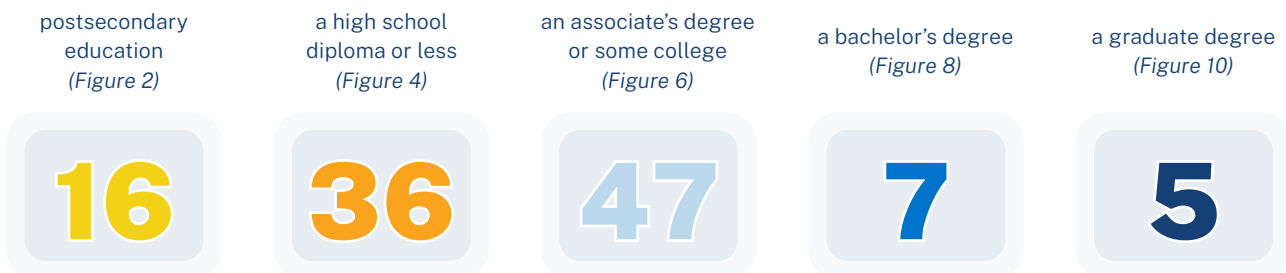
Between 2021 and 2031, net new jobs in New York requiring postsecondary education and training will grow by 772,000 while net new jobs for workers with a high school education or less will grow by 268,000.

New York ranks 7th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 36th in the share of 2031 jobs for workers with a high school diploma or less. New York ranks 16th in the share of jobs requiring postsecondary education in 2031. Of all jobs in New York, 70 percent (6,885,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

New York state rank | Percentage of jobs in 2031 that will require:



New York: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	816,000	8%	15
High school diploma	2,199,000	22%	42
Some college, no degree	1,599,000	16%	49
Associate's degree	981,000	10%	29
Bachelor's degree	2,530,000	26%	7
Graduate degree	1,776,000	18%	5
Total	9,901,000	100%	

New York: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	2,747,000	3,015,000	268,000
Middle skills	2,326,000	2,580,000	254,000
Bachelor's degree or higher	3,788,000	4,306,000	518,000
Total	8,861,000	9,901,000	1,040,000

New York: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	2,008,000	2,058,000	2%
Blue-Collar	1,483,000	1,575,000	6%
Food and Personal Services	1,370,000	1,442,000	5%
Managerial and Professional Office	1,227,000	1,412,000	15%
Education	681,000	795,000	17%
Healthcare	1,243,000	1,614,000	30%
STEM	451,000	537,000	19%
Community Services and Arts	398,000	467,000	17%
Total	8,861,000	9,900,000	12%

New York: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	68	187	132	69	249	72	777
Office and administrative support	51	295	304	201	338	92	1,281
Blue-Collar							
Farming, fishing, and forestry	2	3	1	1	1	0	8
Construction and extraction	71	147	61	27	22	6	334
Installation, maintenance, and equipment repair	31	135	84	50	30	5	335
Production	53	115	58	26	31	7	290
Transportation and material moving	98	250	135	50	57	18	608
Food and Personal Services							
Food preparation and serving	113	197	91	43	72	13	529
Personal care	30	87	48	29	48	11	253
Building and grounds cleaning and maintenance	89	145	55	17	19	5	330
Protective services	12	65	88	59	85	21	330
Managerial and Professional Office							
Management	16	57	65	39	241	147	565
Business operations	5	23	42	31	217	112	430
Financial	0	9	11	14	171	83	288
Legal	0	1	6	7	23	92	129

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

New York: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	10	48	56	41	175	466	796
Healthcare							
Healthcare professional and technical	6	36	62	102	203	258	667
Healthcare support	150	344	208	111	100	35	948
STEM							
Computer and mathematical sciences	2	12	34	24	173	90	335
Architecture, surveying, drafting, and technical	1	6	7	6	18	9	47
Engineering	1	4	4	3	38	22	72
Life and physical sciences	1	1	2	3	19	32	58
Social sciences	*	*	0	0	4	22	26
Community Services and Arts							
Arts, design, entertainment, sports, and media	4	11	22	12	118	49	216
Community and social services	4	21	24	18	78	106	251
TOTAL**	818	2,199	1,600	983	2,530	1,773	9,903

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

North Carolina

Between 2021 and 2031, an average of 576,000 job openings will be created annually in North Carolina both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 394,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 132,000 of these annual job openings will be for those with a high school diploma.
- ◇ 50,000 of these annual job openings will be for those with less than a high school diploma.

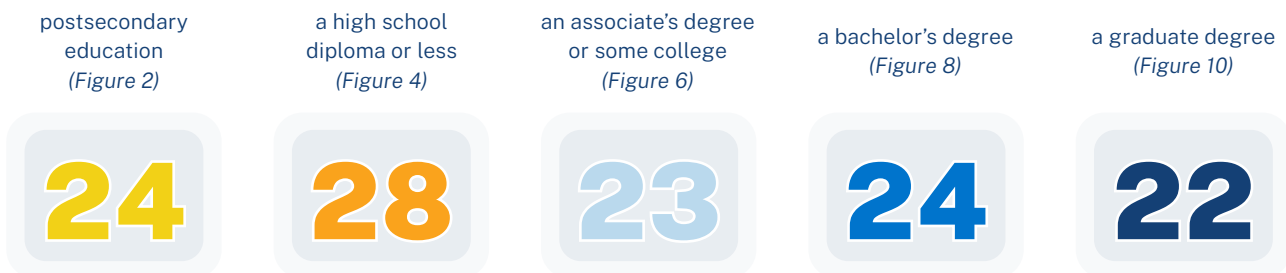
Between 2021 and 2031, net new jobs in North Carolina requiring postsecondary education and training will grow by 306,000 while net new jobs for workers with a high school education or less will grow by 132,000.

North Carolina ranks 24th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 28th in the share of 2031 jobs for workers with a high school diploma or less. North Carolina ranks 24th in the share of jobs requiring postsecondary education in 2031. Of all jobs in North Carolina, 68 percent (3,406,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

North Carolina state rank | Percentage of jobs in 2031 that will require:



North Carolina: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	435,000	9%	14
High school diploma	1,137,000	23%	38
Some college, no degree	1,114,000	22%	23
Associate's degree	556,000	11%	15
Bachelor's degree	1,151,000	23%	24
Graduate degree	585,000	12%	22
Total	4,978,000	100%	

North Carolina: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	1,440,000	1,572,000	132,000
Middle skills	1,527,000	1,670,000	143,000
Bachelor's degree or higher	1,573,000	1,736,000	163,000
Total	4,540,000	4,978,000	438,000

North Carolina: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	1,029,000	1,090,000	6%
Blue-Collar	1,132,000	1,214,000	7%
Food and Personal Services	704,000	799,000	13%
Managerial and Professional Office	520,000	590,000	13%
Education	274,000	287,000	5%
Healthcare	477,000	533,000	12%
STEM	277,000	318,000	15%
Community Services and Arts	127,000	147,000	16%
Total	4,540,000	4,978,000	10%

North Carolina: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	30	132	129	49	135	30	505
Office and administrative support	21	130	182	88	138	28	587
Blue-Collar							
Farming, fishing, and forestry	7	5	2	1	1	0	16
Construction and extraction	66	70	39	11	11	2	199
Installation, maintenance, and equipment repair	35	71	62	35	16	2	221
Production	57	127	86	32	19	6	327
Transportation and material moving	69	186	119	33	39	5	451
Food and Personal Services							
Food preparation and serving	68	156	107	39	47	6	423
Personal care	8	25	37	17	18	7	112
Building and grounds cleaning and maintenance	40	57	35	10	9	3	154
Protective services	1	21	35	19	30	7	113
Managerial and Professional Office							
Management	11	31	40	25	96	54	257
Business operations	3	14	26	21	95	36	195
Financial	*	4	12	7	51	31	105
Legal	0	0	3	2	8	20	33

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

North Carolina: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	4	10	24	18	129	101	286
Healthcare							
Healthcare professional and technical	2	18	36	69	85	106	316
Healthcare support	10	53	87	38	22	7	217
STEM							
Computer and mathematical sciences	1	10	21	21	90	45	188
Architecture, surveying, drafting, and technical	0	5	6	5	8	4	28
Engineering	0	2	4	5	30	13	54
Life and physical sciences	1	2	2	2	13	17	37
Social sciences	*	*	*	*	1	10	11
Community Services and Arts							
Arts, design, entertainment, sports, and media	2	4	10	7	25	10	58
Community and social services	1	4	10	3	35	36	89
TOTAL**	437	1,137	1,114	557	1,151	586	4,982

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

North Dakota

Between 2021 and 2031, an average of 52,000 job openings will be created annually in North Dakota both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 37,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 13,000 of these annual job openings will be for those with a high school diploma.
- ◇ 2,000 of these annual job openings will be for those with less than a high school diploma.

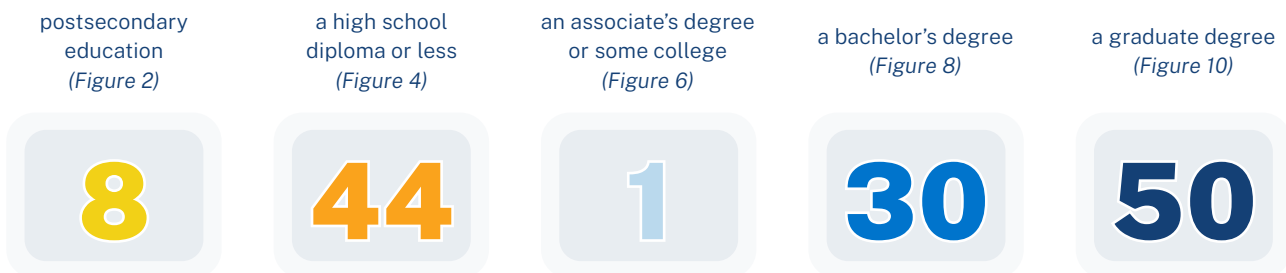
Between 2021 and 2031, net new jobs in North Dakota requiring postsecondary education and training will grow by 24,000 while net new jobs for workers with a high school education or less will grow by 9,000.

North Dakota ranks 30th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 44th in the share of 2031 jobs for workers with a high school diploma or less. North Dakota ranks 8th in the share of jobs requiring postsecondary education in 2031. Of all jobs in North Dakota, 71 percent (317,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

North Dakota state rank | Percentage of jobs in 2031 that will require:



North Dakota: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	20,000	4%	47
High school diploma	110,000	25%	32
Some college, no degree	108,000	24%	12
Associate's degree	72,000	16%	1
Bachelor's degree	100,000	22%	30
Graduate degree	38,000	8%	50
Total	448,000	100%	

North Dakota: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	121,000	130,000	9,000
Middle skills	168,000	180,000	12,000
Bachelor's degree or higher	126,000	138,000	12,000
Total	415,000	448,000	33,000

North Dakota: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	87,000	87,000	0%
Blue-Collar	119,000	125,000	5%
Food and Personal Services	64,000	73,000	14%
Managerial and Professional Office	42,000	46,000	10%
Education	25,000	28,000	12%
Healthcare	47,000	56,000	19%
STEM	19,000	20,000	5%
Community Services and Arts	12,000	13,000	8%
Total	415,000	448,000	8%

North Dakota: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	2	9	12	6	7	1	37
Office and administrative support	1	8	13	15	11	2	50
Blue-Collar							
Farming, fishing, and forestry	0	2	1	0	0	*	3
Construction and extraction	5	12	8	5	1	1	32
Installation, maintenance, and equipment repair	0	9	7	4	2	1	23
Production	3	8	9	3	1	*	24
Transportation and material moving	2	17	14	7	1	0	41
Food and Personal Services							
Food preparation and serving	4	17	12	2	2	1	38
Personal care	0	2	4	4	3	0	13
Building and grounds cleaning and maintenance	1	6	5	2	1	0	15
Protective services	*	1	3	1	2	1	8
Managerial and Professional Office							
Management	1	4	4	4	8	3	24
Business operations	*	2	1	2	6	2	13
Financial	*	0	1	2	5	0	8
Legal	*	0	*	1	1	1	3

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

North Dakota: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	2	1	2	14	9	28
Healthcare							
Healthcare professional and technical	0	2	3	5	13	10	33
Healthcare support	1	8	6	4	3	*	22
STEM							
Computer and mathematical sciences	*	0	1	1	5	1	8
Architecture, surveying, drafting, and technical	0	0	0	0	2	*	2
Engineering	*	0	*	*	4	*	4
Life and physical sciences	0	0	0	0	2	1	3
Social sciences	*	*	*	*	*	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	*	1	2	0	2	0	5
Community and social services	0	1	1	1	4	2	9
TOTAL**	20	111	108	71	100	37	447

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Ohio

Between 2021 and 2031, an average of 645,000 job openings will be created annually in Ohio both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◆ 422,000 of these annual job openings will be for workers with postsecondary credentials.
- ◆ 183,000 of these annual job openings will be for those with a high school diploma.
- ◆ 39,000 of these annual job openings will be for those with less than a high school diploma.

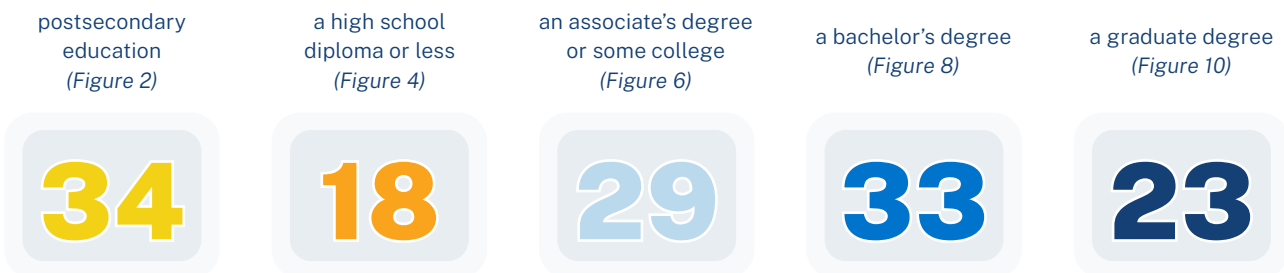
Between 2021 and 2031, net new jobs in Ohio requiring postsecondary education and training will grow by 205,000 while net new jobs for workers with a high school education or less will grow by 90,000.

Ohio ranks 33rd among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 18th in the share of 2031 jobs for workers with a high school diploma or less. Ohio ranks 34th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Ohio, 65 percent (3,652,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Ohio state rank | Percentage of jobs in 2031 that will require:



Ohio: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	341,000	6%	36
High school diploma	1,583,000	28%	10
Some college, no degree	1,230,000	22%	25
Associate's degree	570,000	10%	27
Bachelor's degree	1,203,000	22%	33
Graduate degree	649,000	12%	23
Total	5,576,000	100%	

Ohio: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	1,834,000	1,924,000	90,000
Middle skills	1,709,000	1,800,000	91,000
Bachelor's degree or higher	1,738,000	1,852,000	114,000
Total	5,281,000	5,576,000	295,000

Ohio: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	1,158,000	1,161,000	0%
Blue-Collar	1,355,000	1,406,000	4%
Food and Personal Services	778,000	837,000	8%
Managerial and Professional Office	600,000	649,000	8%
Education	322,000	341,000	6%
Healthcare	608,000	678,000	12%
STEM	293,000	322,000	10%
Community Services and Arts	166,000	182,000	10%
Total	5,280,000	5,576,000	6%

Ohio: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	27	134	111	45	121	24	462
Office and administrative support	22	186	220	95	146	30	699
Blue-Collar							
Farming, fishing, and forestry	1	5	1	0	1	0	8
Construction and extraction	27	97	48	12	9	2	195
Installation, maintenance, and equipment repair	17	99	65	27	16	5	229
Production	53	224	109	37	23	3	449
Transportation and material moving	62	263	127	36	32	4	524
Food and Personal Services							
Food preparation and serving	58	190	124	34	41	5	452
Personal care	6	42	32	11	19	3	113
Building and grounds cleaning and maintenance	29	79	32	10	9	2	161
Protective services	2	25	38	19	23	5	112
Managerial and Professional Office							
Management	9	42	50	21	99	53	274
Business operations	3	29	31	17	110	41	231
Financial	0	7	10	10	60	21	108
Legal	*	2	4	3	5	23	37

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Ohio: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	21	25	17	109	167	341
Healthcare							
Healthcare professional and technical	1	18	53	79	123	128	402
Healthcare support	18	86	91	52	25	4	276
STEM							
Computer and mathematical sciences	1	10	29	21	85	34	180
Architecture, surveying, drafting, and technical	1	4	7	5	7	2	26
Engineering	1	2	3	4	41	19	70
Life and physical sciences	0	4	3	2	15	13	37
Social sciences	*	*	*	*	2	8	10
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	6	8	7	37	10	69
Community and social services	1	8	11	6	43	44	113
TOTAL**	342	1,583	1,232	570	1,201	650	5,578

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Oklahoma

Between 2021 and 2031, an average of 202,000 job openings will be created annually in Oklahoma both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 122,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 60,000 of these annual job openings will be for those with a high school diploma.
- ◇ 20,000 of these annual job openings will be for those with less than a high school diploma.

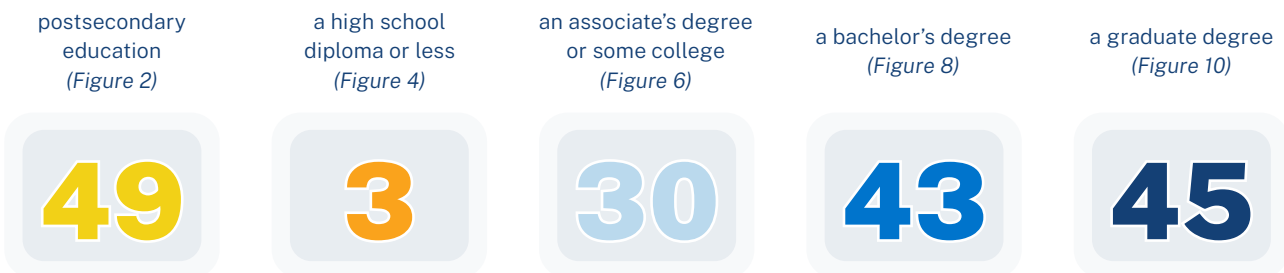
Between 2021 and 2031, net new jobs in Oklahoma requiring postsecondary education and training will grow by 72,000 while net new jobs for workers with a high school education or less will grow by 54,000.

Oklahoma ranks 43rd among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 3rd in the share of 2031 jobs for workers with a high school diploma or less. Oklahoma ranks 49th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Oklahoma, 60 percent (1,055,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Oklahoma state rank | Percentage of jobs in 2031 that will require:



Oklahoma: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	173,000	10%	6
High school diploma	523,000	30%	4
Some college, no degree	411,000	23%	16
Associate's degree	151,000	9%	45
Bachelor's degree	334,000	19%	43
Graduate degree	160,000	9%	45
Total	1,752,000	100%	

Oklahoma: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	642,000	696,000	54,000
Middle skills	522,000	562,000	40,000
Bachelor's degree or higher	462,000	494,000	32,000
Total	1,626,000	1,752,000	126,000

Oklahoma: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	375,000	382,000	2%
Blue-Collar	407,000	428,000	5%
Food and Personal Services	269,000	320,000	19%
Managerial and Professional Office	181,000	195,000	8%
Education	100,000	106,000	6%
Healthcare	170,000	187,000	10%
STEM	73,000	77,000	5%
Community Services and Arts	51,000	56,000	10%
Total	1,626,000	1,751,000	8%

Oklahoma: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	16	51	46	12	33	6	164
Office and administrative support	6	64	76	22	39	11	218
Blue-Collar							
Farming, fishing, and forestry	1	3	1	1	0	0	6
Construction and extraction	21	37	18	5	3	1	85
Installation, maintenance, and equipment repair	9	41	19	9	7	1	86
Production	16	54	21	5	6	1	103
Transportation and material moving	25	63	33	9	14	2	146
Food and Personal Services							
Food preparation and serving	41	67	52	12	12	3	187
Personal care	3	12	12	4	7	1	39
Building and grounds cleaning and maintenance	15	23	10	2	2	0	52
Protective services	1	9	14	7	8	3	42
Managerial and Professional Office							
Management	6	18	20	7	28	14	93
Business operations	2	12	11	4	23	8	60
Financial	0	2	2	2	16	7	29
Legal	0	1	2	1	2	7	13

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Oklahoma: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	9	10	5	50	31	106
Healthcare							
Healthcare professional and technical	1	9	18	26	28	29	111
Healthcare support	5	32	25	7	4	1	74
STEM							
Computer and mathematical sciences	1	5	10	5	11	6	38
Architecture, surveying, drafting, and technical	0	4	3	0	2	1	10
Engineering	*	1	1	1	10	6	19
Life and physical sciences	0	1	1	0	4	3	9
Social sciences	*	*	*	*	0	2	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	2	5	0	7	4	19
Community and social services	1	3	3	3	15	11	36
TOTAL**	172	523	413	149	331	159	1,747

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Oregon

Between 2021 and 2031, an average of 238,000 job openings will be created annually in Oregon both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 168,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 52,000 of these annual job openings will be for those with a high school diploma.
- ◇ 19,000 of these annual job openings will be for those with less than a high school diploma.

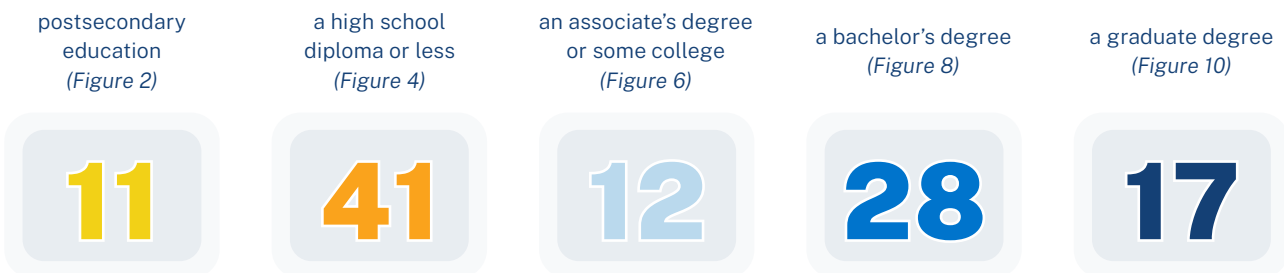
Between 2021 and 2031, net new jobs in Oregon requiring postsecondary education and training will grow by 148,000 while net new jobs for workers with a high school education or less will grow by 57,000.

Oregon ranks 28th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 41st in the share of 2031 jobs for workers with a high school diploma or less. Oregon ranks 11th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Oregon, 70 percent (1,450,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Oregon state rank | Percentage of jobs in 2031 that will require:



Oregon: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	162,000	8%	18
High school diploma	449,000	22%	43
Some college, no degree	520,000	25%	7
Associate's degree	203,000	10%	31
Bachelor's degree	461,000	22%	28
Graduate degree	266,000	13%	17
Total	2,061,000	100%	

Oregon: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	554,000	611,000	57,000
Middle skills	650,000	723,000	73,000
Bachelor's degree or higher	652,000	727,000	75,000
Total	1,856,000	2,061,000	205,000

Oregon: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	402,000	425,000	6%
Blue-Collar	448,000	489,000	9%
Food and Personal Services	283,000	310,000	10%
Managerial and Professional Office	238,000	268,000	13%
Education	108,000	120,000	11%
Healthcare	187,000	236,000	26%
STEM	122,000	136,000	11%
Community Services and Arts	68,000	77,000	13%
Total	1,856,000	2,061,000	11%

Oregon: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	7	42	56	15	46	11	177
Office and administrative support	12	59	84	31	51	11	248
Blue-Collar							
Farming, fishing, and forestry	9	5	3	1	1	0	19
Construction and extraction	16	41	28	10	7	1	103
Installation, maintenance, and equipment repair	8	24	19	14	6	2	73
Production	23	39	31	11	11	3	118
Transportation and material moving	21	76	52	13	14	2	178
Food and Personal Services							
Food preparation and serving	24	51	50	15	18	3	161
Personal care	5	10	18	6	10	2	51
Building and grounds cleaning and maintenance	14	24	15	4	4	1	62
Protective services	1	6	11	8	11	1	38
Managerial and Professional Office							
Management	7	19	27	10	49	22	134
Business operations	1	5	17	7	41	16	87
Financial	0	1	4	4	17	7	33
Legal	*	0	2	1	3	8	14

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Oregon: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	5	11	7	32	63	119
Healthcare							
Healthcare professional and technical	1	4	15	14	42	43	119
Healthcare support	11	24	47	18	11	5	116
STEM							
Computer and mathematical sciences	1	3	14	6	28	13	65
Architecture, surveying, drafting, and technical	0	2	3	3	5	4	17
Engineering	0	1	1	0	14	12	28
Life and physical sciences	0	1	2	*	9	9	21
Social sciences	*	*	*	0	2	3	5
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	2	5	3	14	6	31
Community and social services	0	4	5	3	15	20	47
TOTAL**	163	448	520	204	461	268	2,064

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Pennsylvania

Between 2021 and 2031, an average of 709,000 job openings will be created annually in Pennsylvania both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 460,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 206,000 of these annual job openings will be for those with a high school diploma.
- ◇ 43,000 of these annual job openings will be for those with less than a high school diploma.

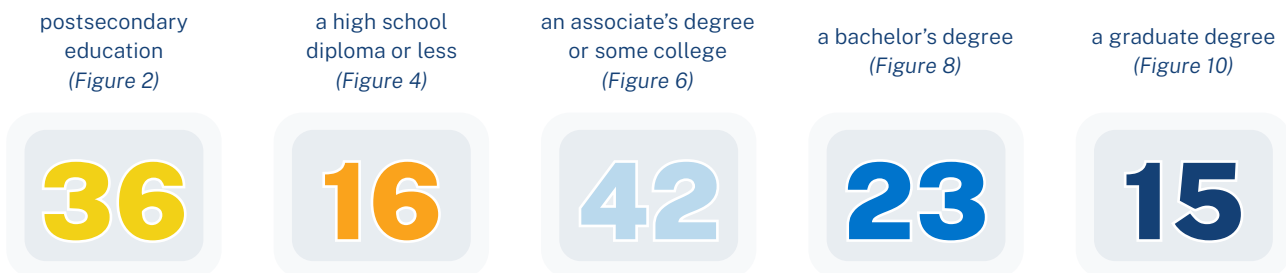
Between 2021 and 2031, net new jobs in Pennsylvania requiring postsecondary education and training will grow by 310,000 while net new jobs for workers with a high school education or less will grow by 126,000.

Pennsylvania ranks 23rd among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 16th in the share of 2031 jobs for workers with a high school diploma or less. Pennsylvania ranks 36th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Pennsylvania, 65 percent (3,978,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Pennsylvania state rank | Percentage of jobs in 2031 that will require:



Pennsylvania: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	368,000	6%	37
High school diploma	1,785,000	28%	8
Some college, no degree	1,075,000	17%	46
Associate's degree	647,000	11%	22
Bachelor's degree	1,423,000	23%	23
Graduate degree	832,000	14%	15
Total	6,130,000	100%	

Pennsylvania: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	2,027,000	2,153,000	126,000
Middle skills	1,604,000	1,722,000	118,000
Bachelor's degree or higher	2,063,000	2,255,000	192,000
Total	5,694,000	6,130,000	436,000

Pennsylvania: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	1,270,000	1,283,000	1%
Blue-Collar	1,346,000	1,412,000	5%
Food and Personal Services	801,000	824,000	3%
Managerial and Professional Office	635,000	711,000	12%
Education	361,000	396,000	10%
Healthcare	770,000	926,000	20%
STEM	320,000	363,000	13%
Community Services and Arts	191,000	216,000	13%
Total	5,694,000	6,131,000	8%

Pennsylvania: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	29	142	111	43	141	26	492
Office and administrative support	20	225	199	114	188	45	791
Blue-Collar							
Farming, fishing, and forestry	5	4	1	0	1	0	11
Construction and extraction	33	121	40	19	13	3	229
Installation, maintenance, and equipment repair	22	117	45	38	15	3	240
Production	42	190	55	32	33	7	359
Transportation and material moving	79	305	111	42	33	6	576
Food and Personal Services							
Food preparation and serving	45	156	90	41	47	6	385
Personal care	5	47	33	17	26	5	133
Building and grounds cleaning and maintenance	33	85	27	9	13	2	169
Protective services	3	39	34	18	34	6	134
Managerial and Professional Office							
Management	12	47	42	23	122	71	317
Business operations	2	20	28	20	101	54	225
Financial	0	9	6	9	71	25	120
Legal	1	5	2	3	10	27	48

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Pennsylvania: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	3	26	19	18	121	208	395
Healthcare							
Healthcare professional and technical	3	31	51	82	131	153	451
Healthcare support	28	184	126	69	55	13	475
STEM							
Computer and mathematical sciences	1	12	25	20	95	43	196
Architecture, surveying, drafting, and technical	1	6	6	7	10	5	35
Engineering	0	2	4	4	42	19	71
Life and physical sciences	0	1	2	3	23	22	51
Social sciences	*	*	*	*	2	9	11
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	5	7	7	39	13	72
Community and social services	1	7	11	9	57	59	144
TOTAL**	369	1,786	1,075	647	1,423	830	6,130

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Rhode Island

Between 2021 and 2031, an average of 57,000 job openings will be created annually in Rhode Island both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 38,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 15,000 of these annual job openings will be for those with a high school diploma.
- ◇ 4,000 of these annual job openings will be for those with less than a high school diploma.

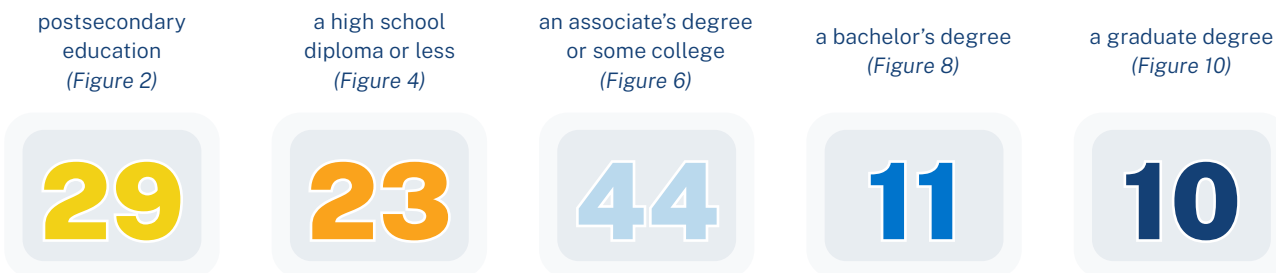
Between 2021 and 2031, net new jobs in Rhode Island requiring postsecondary education and training will grow by 25,000 while net new jobs for workers with a high school education or less will grow by 9,000.

Rhode Island ranks 11th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 23rd in the share of 2031 jobs for workers with a high school diploma or less. Rhode Island ranks 29th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Rhode Island, 67 percent (332,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Rhode Island state rank | Percentage of jobs in 2031 that will require:



Rhode Island: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	36,000	7%	26
High school diploma	126,000	26%	24
Some college, no degree	91,000	18%	43
Associate's degree	45,000	9%	40
Bachelor's degree	124,000	25%	11
Graduate degree	72,000	15%	10
Total	494,000	100%	

Rhode Island: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	153,000	162,000	9,000
Middle skills	126,000	136,000	10,000
Bachelor's degree or higher	181,000	196,000	15,000
Total	460,000	494,000	34,000

Rhode Island: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	103,000	105,000	2%
Blue-Collar	88,000	90,000	2%
Food and Personal Services	74,000	83,000	12%
Managerial and Professional Office	59,000	66,000	12%
Education	35,000	38,000	9%
Healthcare	57,000	62,000	9%
STEM	27,000	32,000	19%
Community Services and Arts	17,000	18,000	6%
Total	460,000	494,000	7%

Rhode Island: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	3	9	9	4	13	3	41
Office and administrative support	1	23	14	6	14	4	62
Blue-Collar							
Farming, fishing, and forestry	*	*	0	*	0	0	0
Construction and extraction	2	8	4	1	1	0	16
Installation, maintenance, and equipment repair	3	8	4	2	1	*	18
Production	5	10	4	2	3	1	25
Transportation and material moving	5	15	7	1	2	0	30
Food and Personal Services							
Food preparation and serving	7	9	9	5	8	0	38
Personal care	0	4	3	1	1	0	9
Building and grounds cleaning and maintenance	4	11	2	0	2	1	20
Protective services	0	2	6	2	3	1	14
Managerial and Professional Office							
Management	1	3	4	2	10	5	25
Business operations	0	3	3	3	9	5	23
Financial	*	1	1	1	7	4	14
Legal	0	0	0	0	1	3	4

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Rhode Island: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	2	4	2	12	19	39
Healthcare							
Healthcare professional and technical	0	3	3	5	11	14	36
Healthcare support	2	10	9	3	3	0	27
STEM							
Computer and mathematical sciences	1	1	2	2	9	3	18
Architecture, surveying, drafting, and technical	*	0	0	0	1	0	1
Engineering	*	0	0	1	4	2	7
Life and physical sciences	*	0	*	0	2	1	3
Social sciences	*	0	*	*	0	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	*	1	1	0	4	1	7
Community and social services	*	2	1	1	3	4	11
TOTAL**	34	125	90	44	124	72	489

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

South Carolina

Between 2021 and 2031, an average of 278,000 job openings will be created annually in South Carolina both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 179,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 74,000 of these annual job openings will be for those with a high school diploma.
- ◇ 25,000 of these annual job openings will be for those with less than a high school diploma.

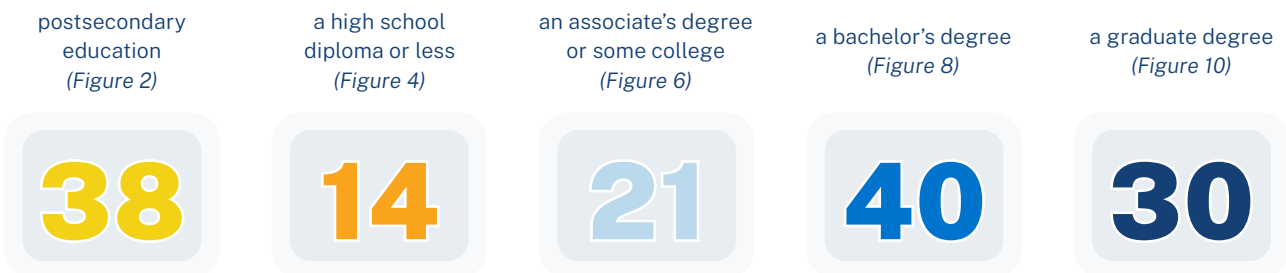
Between 2021 and 2031, net new jobs in South Carolina requiring postsecondary education and training will grow by 170,000 while net new jobs for workers with a high school education or less will grow by 90,000.

South Carolina ranks 40th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 14th in the share of 2031 jobs for workers with a high school diploma or less. South Carolina ranks 38th in the share of jobs requiring postsecondary education in 2031. Of all jobs in South Carolina, 64 percent (1,547,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

South Carolina state rank | Percentage of jobs in 2031 that will require:



South Carolina: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	214,000	9%	12
High school diploma	640,000	27%	20
Some college, no degree	545,000	23%	20
Associate's degree	265,000	11%	18
Bachelor's degree	479,000	20%	40
Graduate degree	258,000	11%	30
Total	2,401,000	100%	

South Carolina: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	764,000	854,000	90,000
Middle skills	721,000	810,000	89,000
Bachelor's degree or higher	656,000	737,000	81,000
Total	2,141,000	2,401,000	260,000

South Carolina: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	509,000	549,000	8%
Blue-Collar	571,000	619,000	8%
Food and Personal Services	359,000	426,000	19%
Managerial and Professional Office	207,000	241,000	16%
Education	118,000	129,000	9%
Healthcare	213,000	249,000	17%
STEM	102,000	117,000	15%
Community Services and Arts	61,000	71,000	16%
Total	2,140,000	2,401,000	12%

South Carolina: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	20	67	60	23	66	12	248
Office and administrative support	12	69	91	45	62	23	302
Blue-Collar							
Farming, fishing, and forestry	1	3	1	1	1	0	7
Construction and extraction	30	39	13	5	4	0	91
Installation, maintenance, and equipment repair	14	41	27	17	6	1	106
Production	19	93	51	22	13	2	200
Transportation and material moving	31	97	49	17	15	5	214
Food and Personal Services							
Food preparation and serving	45	86	69	13	21	2	236
Personal care	3	16	17	6	10	3	55
Building and grounds cleaning and maintenance	19	38	13	5	4	1	80
Protective services	3	12	14	10	12	4	55
Managerial and Professional Office							
Management	3	18	22	11	43	18	115
Business operations	0	7	13	6	32	16	74
Financial	0	1	3	4	19	7	34
Legal	0	1	2	2	4	7	16

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

South Carolina: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	9	13	5	42	58	129
Healthcare							
Healthcare professional and technical	1	8	19	31	42	45	146
Healthcare support	7	23	42	18	11	3	104
STEM							
Computer and mathematical sciences	1	4	10	8	24	9	56
Architecture, surveying, drafting, and technical	*	3	3	4	3	1	14
Engineering	0	1	2	5	15	7	30
Life and physical sciences	0	1	2	1	5	4	13
Social sciences	*	*	*	*	1	2	3
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	2	5	3	11	5	27
Community and social services	1	2	3	2	15	21	44
TOTAL**	213	641	544	264	481	256	2,399

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

South Dakota

Between 2021 and 2031, an average of 56,000 job openings will be created annually in South Dakota both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 39,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 13,000 of these annual job openings will be for those with a high school diploma.
- ◇ 4,000 of these annual job openings will be for those with less than a high school diploma.

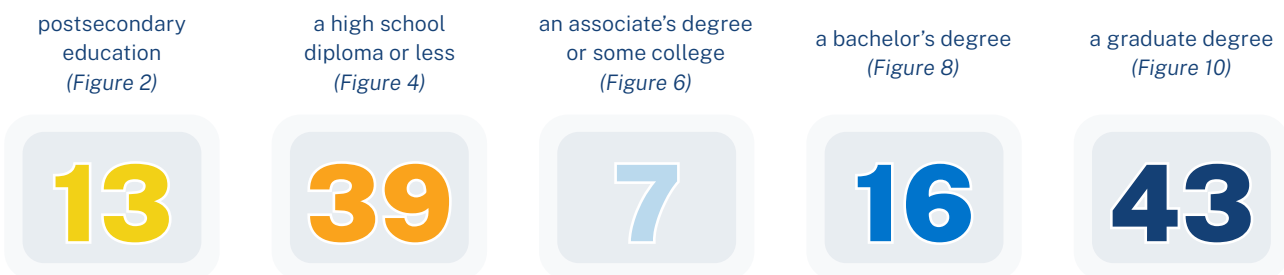
Between 2021 and 2031, net new jobs in South Dakota requiring postsecondary education and training will grow by 32,000 while net new jobs for workers with a high school education or less will grow by 12,000.

South Dakota ranks 16th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 39th in the share of 2031 jobs for workers with a high school diploma or less. South Dakota ranks 13th in the share of jobs requiring postsecondary education in 2031. Of all jobs in South Dakota, 70 percent (337,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

South Dakota state rank | Percentage of jobs in 2031 that will require:



South Dakota: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	31,000	7%	33
High school diploma	113,000	23%	36
Some college, no degree	106,000	22%	27
Associate's degree	68,000	14%	3
Bachelor's degree	118,000	24%	16
Graduate degree	45,000	9%	43
Total	481,000	100%	

South Dakota: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	132,000	144,000	12,000
Middle skills	158,000	174,000	16,000
Bachelor's degree or higher	147,000	163,000	16,000
Total	437,000	481,000	44,000

South Dakota: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	102,000	106,000	4%
Blue-Collar	112,000	122,000	9%
Food and Personal Services	74,000	85,000	15%
Managerial and Professional Office	40,000	44,000	10%
Education	27,000	30,000	11%
Healthcare	48,000	56,000	17%
STEM	19,000	22,000	16%
Community Services and Arts	15,000	16,000	7%
Total	437,000	481,000	10%

South Dakota: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	2	9	13	7	14	1	46
Office and administrative support	2	12	19	12	13	2	60
Blue-Collar							
Farming, fishing, and forestry	2	1	1	0	0	*	4
Construction and extraction	3	11	4	4	2	1	25
Installation, maintenance, and equipment repair	3	8	2	6	2	0	21
Production	6	13	7	4	3	0	33
Transportation and material moving	3	16	8	4	5	1	37
Food and Personal Services							
Food preparation and serving	8	12	15	2	6	0	43
Personal care	*	3	6	2	4	0	15
Building and grounds cleaning and maintenance	3	8	5	1	1	1	19
Protective services	*	2	2	1	3	*	8
Managerial and Professional Office							
Management	0	4	3	2	6	2	17
Business operations	*	1	3	2	8	2	16
Financial	*	1	0	1	7	1	10
Legal	*	*	0	0	0	1	1

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

South Dakota: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	1	2	1	15	10	29
Healthcare							
Healthcare professional and technical	0	2	4	8	11	13	38
Healthcare support	*	5	5	5	2	1	18
STEM							
Computer and mathematical sciences	*	0	3	2	5	1	11
Architecture, surveying, drafting, and technical	*	1	1	0	1	0	3
Engineering	*	*	0	1	3	0	4
Life and physical sciences	*	*	1	0	1	2	4
Social sciences	*	*	*	*	0	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	2	0	1	2	0	5
Community and social services	*	0	1	0	4	4	9
TOTAL**	32	112	105	66	118	44	477

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Tennessee

Between 2021 and 2031, an average of 390,000 job openings will be created annually in Tennessee both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 245,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 115,000 of these annual job openings will be for those with a high school diploma.
- ◇ 30,000 of these annual job openings will be for those with less than a high school diploma.

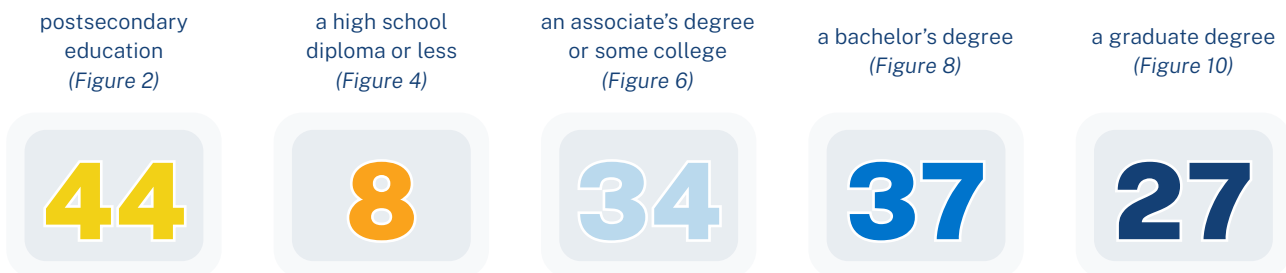
Between 2021 and 2031, net new jobs in Tennessee requiring postsecondary education and training will grow by 202,000 while net new jobs for workers with a high school education or less will grow by 117,000.

Tennessee ranks 37th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 8th in the share of 2031 jobs for workers with a high school diploma or less. Tennessee ranks 44th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Tennessee, 63 percent (2,120,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Tennessee state rank | Percentage of jobs in 2031 that will require:



Tennessee: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	259,000	8%	20
High school diploma	993,000	28%	6
Some college, no degree	751,000	22%	24
Associate's degree	296,000	9%	42
Bachelor's degree	705,000	21%	37
Graduate degree	368,000	11%	27
Total	3,372,000	100%	

Tennessee: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	1,135,000	1,252,000	117,000
Middle skills	950,000	1,047,000	97,000
Bachelor's degree or higher	968,000	1,073,000	105,000
Total	3,053,000	3,372,000	319,000

Tennessee: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	700,000	743,000	6%
Blue-Collar	827,000	890,000	8%
Food and Personal Services	474,000	551,000	16%
Managerial and Professional Office	357,000	404,000	13%
Education	161,000	177,000	10%
Healthcare	311,000	353,000	14%
STEM	134,000	152,000	13%
Community Services and Arts	89,000	102,000	15%
Total	3,053,000	3,372,000	10%

Tennessee: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	25	85	79	20	73	18	300
Office and administrative support	12	124	136	46	103	22	443
Blue-Collar							
Farming, fishing, and forestry	2	3	1	1	1	*	8
Construction and extraction	34	53	17	5	6	1	116
Installation, maintenance, and equipment repair	13	61	37	13	10	2	136
Production	30	135	59	17	15	3	259
Transportation and material moving	43	172	93	24	32	8	372
Food and Personal Services							
Food preparation and serving	43	132	68	27	30	3	303
Personal care	5	24	20	7	14	4	74
Building and grounds cleaning and maintenance	24	46	18	5	4	2	99
Protective services	3	20	27	10	14	3	77
Managerial and Professional Office							
Management	7	32	44	13	76	43	215
Business operations	3	14	21	10	48	19	115
Financial	0	4	7	2	32	12	57
Legal	0	0	1	1	3	13	18

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Tennessee: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	9	15	9	64	77	176
Healthcare							
Healthcare professional and technical	2	13	31	43	62	71	222
Healthcare support	7	44	44	23	11	2	131
STEM							
Computer and mathematical sciences	1	6	12	9	35	17	80
Architecture, surveying, drafting, and technical	0	4	5	3	4	0	16
Engineering	*	1	2	1	16	8	28
Life and physical sciences	1	2	2	1	7	9	22
Social sciences	*	*	*	*	1	3	4
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	5	7	4	21	4	42
Community and social services	2	2	6	2	24	24	60
TOTAL**	260	991	752	296	706	368	3,373

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Texas

Between 2021 and 2031, an average of 1,683,000 job openings will be created annually in Texas both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 1,062,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 421,000 of these annual job openings will be for those with a high school diploma.
- ◇ 201,000 of these annual job openings will be for those with less than a high school diploma.

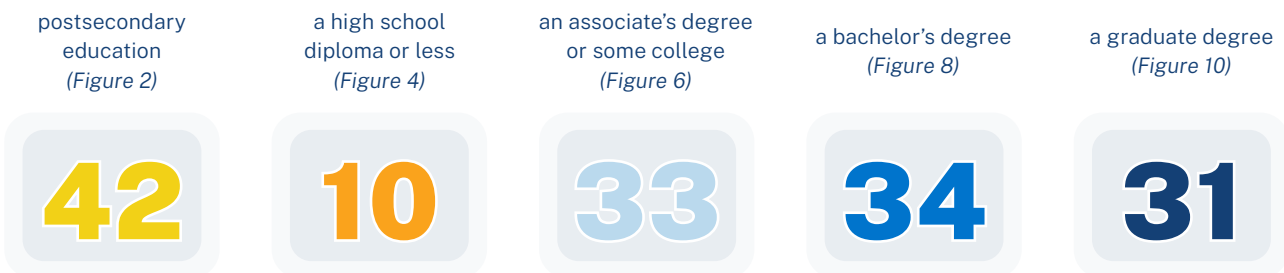
Between 2021 and 2031, net new jobs in Texas requiring postsecondary education and training will grow by 1,161,000 while net new jobs for workers with a high school education or less will grow by 680,000.

Texas ranks 34th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 10th in the share of 2031 jobs for workers with a high school diploma or less. Texas ranks 42nd in the share of jobs requiring postsecondary education in 2031. Of all jobs in Texas, 63 percent (9,187,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Texas state rank | Percentage of jobs in 2031 that will require:



Texas: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	1,735,000	12%	3
High school diploma	3,636,000	25%	29
Some college, no degree	3,275,000	23%	21
Associate's degree	1,260,000	9%	43
Bachelor's degree	3,118,000	21%	34
Graduate degree	1,533,000	10%	31
Total	14,557,000	100%	

Texas: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	4,691,000	5,371,000	680,000
Middle skills	3,987,000	4,535,000	548,000
Bachelor's degree or higher	4,038,000	4,651,000	613,000
Total	12,716,000	14,557,000	1,841,000

Texas: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	3,050,000	3,305,000	8%
Blue-Collar	2,976,000	3,308,000	11%
Food and Personal Services	1,996,000	2,416,000	21%
Managerial and Professional Office	1,507,000	1,763,000	17%
Education	780,000	902,000	16%
Healthcare	1,308,000	1,571,000	20%
STEM	775,000	911,000	18%
Community Services and Arts	324,000	382,000	18%
Total	12,716,000	14,558,000	14%

Texas: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	115	330	398	111	343	72	1,369
Office and administrative support	91	535	661	223	347	80	1,937
Blue-Collar							
Farming, fishing, and forestry	22	12	6	3	1	0	44
Construction and extraction	264	249	120	25	29	5	692
Installation, maintenance, and equipment repair	101	237	162	71	39	7	617
Production	157	274	158	51	51	12	703
Transportation and material moving	225	511	301	90	102	19	1,248
Food and Personal Services							
Food preparation and serving	354	508	265	84	102	17	1,330
Personal care	32	100	96	32	47	10	317
Building and grounds cleaning and maintenance	188	158	55	14	18	3	436
Protective services	8	73	128	47	61	16	333
Managerial and Professional Office							
Management	36	131	161	61	284	156	829
Business operations	8	55	108	38	239	101	549
Financial	1	14	25	18	148	72	278
Legal	1	7	10	7	18	64	107

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Texas: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	8	53	82	37	445	277	902
Healthcare							
Healthcare professional and technical	5	44	128	147	241	242	807
Healthcare support	98	256	240	91	65	14	764
STEM							
Computer and mathematical sciences	6	31	71	45	228	134	515
Architecture, surveying, drafting, and technical	2	18	23	21	24	13	101
Engineering	1	4	7	7	95	53	167
Life and physical sciences	2	7	13	6	31	44	103
Social sciences	0	*	1	*	5	18	24
Community Services and Arts							
Arts, design, entertainment, sports, and media	5	16	32	18	75	23	169
Community and social services	3	13	25	14	80	79	214
TOTAL**	1,733	3,636	3,276	1,261	3,118	1,531	14,555

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Utah

Between 2021 and 2031, an average of 232,000 job openings will be created annually in Utah both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 164,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 53,000 of these annual job openings will be for those with a high school diploma.
- ◇ 15,000 of these annual job openings will be for those with less than a high school diploma.

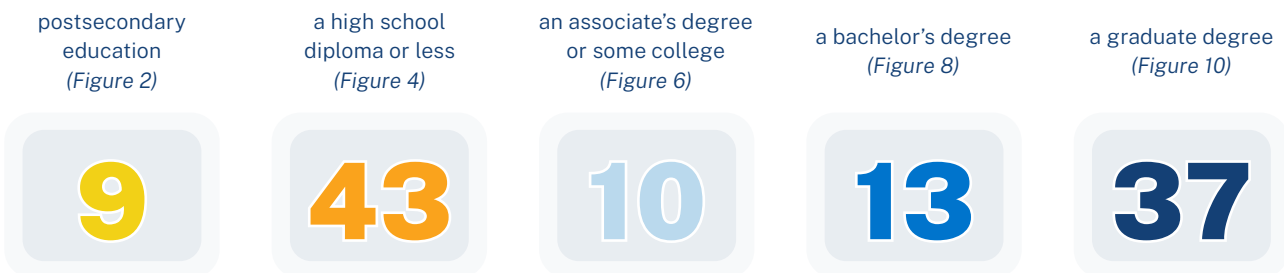
Between 2021 and 2031, net new jobs in Utah requiring postsecondary education and training will grow by 270,000 while net new jobs for workers with a high school education or less will grow by 111,000.

Utah ranks 13th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 43rd in the share of 2031 jobs for workers with a high school diploma or less. Utah ranks 9th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Utah, 71 percent (1,415,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Utah state rank | Percentage of jobs in 2031 that will require:



Utah: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	133,000	7%	32
High school diploma	455,000	23%	40
Some college, no degree	507,000	25%	5
Associate's degree	204,000	10%	28
Bachelor's degree	498,000	25%	13
Graduate degree	206,000	10%	37
Total	2,003,000	100%	

Utah: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	477,000	588,000	111,000
Middle skills	578,000	711,000	133,000
Bachelor's degree or higher	567,000	704,000	137,000
Total	1,622,000	2,003,000	381,000

Utah: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	381,000	444,000	17%
Blue-Collar	386,000	471,000	22%
Food and Personal Services	220,000	288,000	31%
Managerial and Professional Office	231,000	288,000	25%
Education	107,000	134,000	25%
Healthcare	132,000	169,000	28%
STEM	111,000	140,000	26%
Community Services and Arts	53,000	69,000	30%
Total	1,621,000	2,003,000	24%

Utah: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	6	47	44	19	51	10	177
Office and administrative support	9	67	97	34	50	10	267
Blue-Collar							
Farming, fishing, and forestry	1	1	0	0	0	*	2
Construction and extraction	20	51	37	11	10	1	130
Installation, maintenance, and equipment repair	5	24	25	11	8	2	75
Production	17	43	31	11	11	1	114
Transportation and material moving	18	61	40	10	16	3	148
Food and Personal Services							
Food preparation and serving	29	38	39	13	20	3	142
Personal care	3	17	16	5	10	1	52
Building and grounds cleaning and maintenance	13	26	11	4	8	1	63
Protective services	1	4	10	5	10	1	31
Managerial and Professional Office							
Management	2	18	32	12	52	26	142
Business operations	1	10	23	6	32	11	83
Financial	*	2	9	3	19	13	46
Legal	*	1	1	2	3	8	15

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Utah: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	1	7	19	9	63	36	135
Healthcare							
Healthcare professional and technical	1	4	12	14	31	34	96
Healthcare support	3	15	28	17	9	1	73
STEM							
Computer and mathematical sciences	1	7	17	5	39	12	81
Architecture, surveying, drafting, and technical	1	1	4	4	3	2	15
Engineering	0	1	2	2	13	6	24
Life and physical sciences	*	1	2	1	8	5	17
Social sciences	*	*	*	*	1	3	4
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	4	5	3	16	3	31
Community and social services	1	3	4	2	14	13	37
TOTAL**	133	453	508	203	497	206	2,000

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Vermont

Between 2021 and 2031, an average of 36,000 job openings will be created annually in Vermont both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 25,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 9,000 of these annual job openings will be for those with a high school diploma.
- ◇ 2,000 of these annual job openings will be for those with less than a high school diploma.

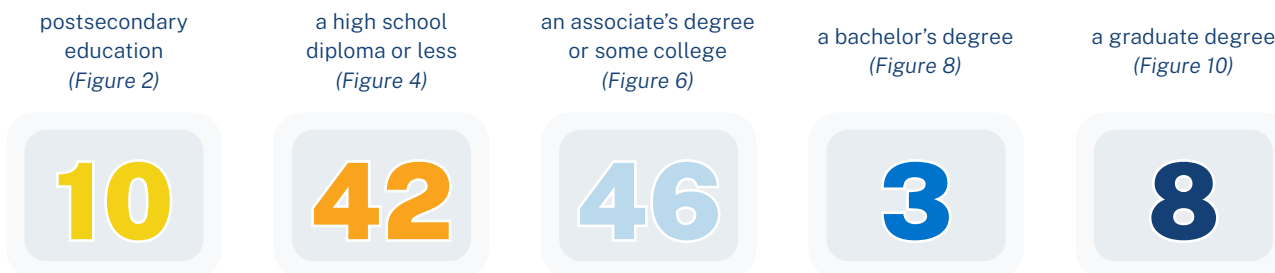
Between 2021 and 2031, net new jobs in Vermont requiring postsecondary education and training will grow by 14,000 while net new jobs for workers with a high school education or less will grow by 2,000.

Vermont ranks 3rd among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 42nd in the share of 2031 jobs for workers with a high school diploma or less. Vermont ranks 10th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Vermont, 70 percent (219,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Vermont state rank | Percentage of jobs in 2031 that will require:



Vermont: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	14,000	4%	49
High school diploma	78,000	25%	28
Some college, no degree	54,000	17%	48
Associate's degree	29,000	9%	34
Bachelor's degree	89,000	28%	3
Graduate degree	47,000	15%	8
Total	311,000	100%	

Vermont: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	90,000	92,000	2,000
Middle skills	79,000	83,000	4,000
Bachelor's degree or higher	126,000	136,000	10,000
Total	295,000	311,000	16,000

Vermont: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	62,000	62,000	0%
Blue-Collar	63,000	65,000	3%
Food and Personal Services	42,000	43,000	2%
Managerial and Professional Office	38,000	41,000	8%
Education	25,000	27,000	8%
Healthcare	34,000	38,000	12%
STEM	16,000	19,000	19%
Community Services and Arts	15,000	16,000	7%
Total	295,000	311,000	5%

Vermont: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	1	7	6	2	7	2	25
Office and administrative support	1	10	9	2	11	3	36
Blue-Collar							
Farming, fishing, and forestry	0	0	0	0	0	0	0
Construction and extraction	1	6	2	2	2	0	13
Installation, maintenance, and equipment repair	1	5	2	3	1	*	12
Production	0	11	3	2	2	0	18
Transportation and material moving	3	9	6	0	2	0	20
Food and Personal Services							
Food preparation and serving	2	7	5	2	2	*	18
Personal care	0	2	2	1	2	0	7
Building and grounds cleaning and maintenance	1	6	2	2	1	0	12
Protective services	*	1	1	0	4	0	6
Managerial and Professional Office							
Management	0	3	4	2	7	6	22
Business operations	*	1	2	0	6	2	11
Financial	*	0	*	0	4	1	5
Legal	*	*	*	0	0	1	1

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Vermont: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	1	1	1	10	12	27
Healthcare							
Healthcare professional and technical	*	2	1	5	6	8	22
Healthcare support	1	5	6	1	3	*	16
STEM							
Computer and mathematical sciences	*	0	1	1	4	2	8
Architecture, surveying, drafting, and technical	*	1	0	1	*	*	2
Engineering	*	0	0	0	2	1	3
Life and physical sciences	*	0	*	*	2	1	3
Social sciences	*	*	*	*	*	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	0	0	0	3	1	4
Community and social services	*	0	1	*	6	5	12
TOTAL**	13	77	54	27	87	46	304

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Virginia

Between 2021 and 2031, an average of 502,000 job openings will be created annually in Virginia both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 356,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 109,000 of these annual job openings will be for those with a high school diploma.
- ◇ 37,000 of these annual job openings will be for those with less than a high school diploma.

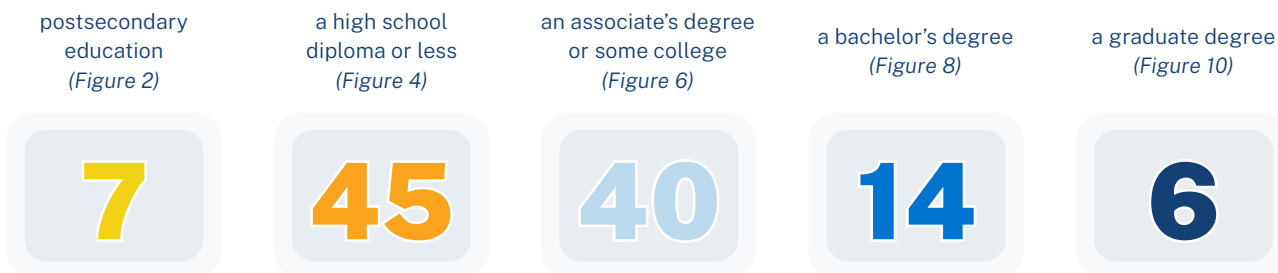
Between 2021 and 2031, net new jobs in Virginia requiring postsecondary education and training will grow by 275,000 while net new jobs for workers with a high school education or less will grow by 99,000.

Virginia ranks 14th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 45th in the share of 2031 jobs for workers with a high school diploma or less. Virginia ranks 7th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Virginia, 71 percent (3,080,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Virginia state rank | Percentage of jobs in 2031 that will require:



Virginia: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	316,000	7%	25
High school diploma	941,000	22%	44
Some college, no degree	875,000	20%	40
Associate's degree	397,000	9%	39
Bachelor's degree	1,078,000	25%	14
Graduate degree	729,000	17%	6
Total	4,336,000	100%	

Virginia: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	1,158,000	1,257,000	99,000
Middle skills	1,167,000	1,272,000	105,000
Bachelor's degree or higher	1,637,000	1,807,000	170,000
Total	3,962,000	4,336,000	374,000

Virginia: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	849,000	885,000	4%
Blue-Collar	836,000	902,000	8%
Food and Personal Services	601,000	656,000	9%
Managerial and Professional Office	565,000	631,000	12%
Education	247,000	269,000	9%
Healthcare	385,000	448,000	16%
STEM	351,000	398,000	13%
Community Services and Arts	128,000	148,000	16%
Total	3,962,000	4,337,000	9%

Virginia: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	23	93	97	31	107	27	378
Office and administrative support	14	105	155	70	125	39	508
Blue-Collar							
Farming, fishing, and forestry	2	4	2	0	1	0	9
Construction and extraction	46	76	39	8	12	2	183
Installation, maintenance, and equipment repair	16	67	55	22	16	4	180
Production	25	81	43	16	15	5	185
Transportation and material moving	37	143	85	31	36	12	344
Food and Personal Services							
Food preparation and serving	64	114	61	25	31	5	300
Personal care	11	27	26	12	17	9	102
Building and grounds cleaning and maintenance	43	53	26	6	8	2	138
Protective services	3	20	29	17	33	13	115
Managerial and Professional Office							
Management	5	26	37	16	84	67	235
Business operations	2	14	32	15	119	71	253
Financial	1	4	10	7	51	30	103
Legal	0	1	2	1	8	30	42

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Virginia: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	16	20	12	95	124	269
Healthcare							
Healthcare professional and technical	1	13	36	45	71	87	253
Healthcare support	16	56	61	30	23	9	195
STEM							
Computer and mathematical sciences	1	10	35	16	119	86	267
Architecture, surveying, drafting, and technical	1	4	8	4	7	4	28
Engineering	1	1	4	3	27	21	57
Life and physical sciences	0	2	2	2	11	15	32
Social sciences	*	*	0	0	3	11	14
Community Services and Arts							
Arts, design, entertainment, sports, and media	1	5	7	5	28	14	60
Community and social services	1	4	5	4	31	42	87
TOTAL**	316	939	877	398	1,078	729	4,337

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Washington

Between 2021 and 2031, an average of 436,000 job openings will be created annually in Washington both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 313,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 92,000 of these annual job openings will be for those with a high school diploma.
- ◇ 31,000 of these annual job openings will be for those with less than a high school diploma.

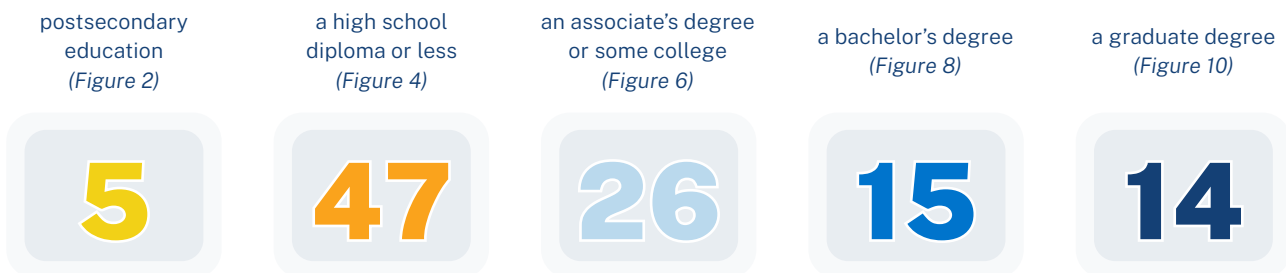
Between 2021 and 2031, net new jobs in Washington requiring postsecondary education and training will grow by 274,000 while net new jobs for workers with a high school education or less will grow by 90,000.

Washington ranks 15th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 47th in the share of 2031 jobs for workers with a high school diploma or less. Washington ranks 5th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Washington, 72 percent (2,705,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Washington state rank | Percentage of jobs in 2031 that will require:



Washington: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	269,000	7%	30
High school diploma	794,000	21%	46
Some college, no degree	819,000	22%	28
Associate's degree	417,000	11%	17
Bachelor's degree	929,000	25%	15
Graduate degree	540,000	14%	14
Total	3,768,000	100%	

Washington: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	973,000	1,063,000	90,000
Middle skills	1,120,000	1,236,000	116,000
Bachelor's degree or higher	1,311,000	1,469,000	158,000
Total	3,404,000	3,768,000	364,000

Washington: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	699,000	742,000	6%
Blue-Collar	769,000	827,000	8%
Food and Personal Services	496,000	539,000	9%
Managerial and Professional Office	462,000	522,000	13%
Education	187,000	204,000	9%
Healthcare	342,000	418,000	22%
STEM	329,000	374,000	14%
Community Services and Arts	120,000	141,000	18%
Total	3,404,000	3,767,000	11%

Washington: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	19	83	96	30	80	21	329
Office and administrative support	13	87	140	59	93	20	412
Blue-Collar							
Farming, fishing, and forestry	17	8	2	0	1	0	28
Construction and extraction	41	74	50	16	14	2	197
Installation, maintenance, and equipment repair	15	46	49	29	9	1	149
Production	20	64	47	20	16	4	171
Transportation and material moving	37	115	69	26	31	5	283
Food and Personal Services							
Food preparation and serving	38	101	65	29	35	2	270
Personal care	5	27	25	9	16	3	85
Building and grounds cleaning and maintenance	29	43	20	8	6	1	107
Protective services	1	14	24	13	19	4	75
Managerial and Professional Office							
Management	7	25	37	17	80	47	213
Business operations	4	16	31	19	103	38	211
Financial	*	2	7	5	42	14	70
Legal	0	1	2	2	5	17	27

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Washington: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	3	13	18	16	64	90	204
Healthcare							
Healthcare professional and technical	1	6	19	41	61	83	211
Healthcare support	14	45	70	41	28	9	207
STEM							
Computer and mathematical sciences	2	9	23	16	112	87	249
Architecture, surveying, drafting, and technical	1	3	3	4	7	4	22
Engineering	0	1	3	3	32	18	57
Life and physical sciences	*	1	3	2	14	16	36
Social sciences	*	*	*	0	2	7	9
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	5	7	6	29	10	57
Community and social services	1	3	7	6	28	38	83
TOTAL**	268	792	817	417	927	541	3,762

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

West Virginia

Between 2021 and 2031, an average of 83,000 job openings will be created annually in West Virginia both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 50,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 27,000 of these annual job openings will be for those with a high school diploma.
- ◇ 5,000 of these annual job openings will be for those with less than a high school diploma.

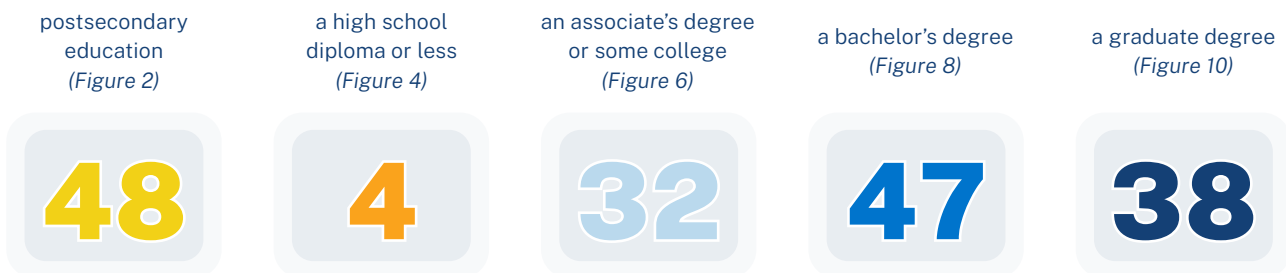
Between 2021 and 2031, net new jobs in West Virginia requiring postsecondary education and training will grow by 35,000 while net new jobs for workers with a high school education or less will grow by 19,000.

West Virginia ranks 47th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 4th in the share of 2031 jobs for workers with a high school diploma or less. West Virginia ranks 48th in the share of jobs requiring postsecondary education in 2031. Of all jobs in West Virginia, 59 percent (435,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

West Virginia state rank | Percentage of jobs in 2031 that will require:



West Virginia: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	45,000	6%	34
High school diploma	238,000	33%	1
Some college, no degree	154,000	21%	34
Associate's degree	75,000	10%	23
Bachelor's degree	132,000	18%	47
Graduate degree	74,000	10%	38
Total	718,000	100%	

West Virginia: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	264,000	283,000	19,000
Middle skills	211,000	229,000	18,000
Bachelor's degree or higher	189,000	206,000	17,000
Total	664,000	718,000	54,000

West Virginia: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	147,000	151,000	3%
Blue-Collar	164,000	171,000	4%
Food and Personal Services	101,000	112,000	11%
Managerial and Professional Office	66,000	75,000	14%
Education	42,000	44,000	5%
Healthcare	92,000	107,000	16%
STEM	31,000	34,000	10%
Community Services and Arts	21,000	24,000	14%
Total	664,000	718,000	8%

West Virginia: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	4	24	16	3	11	3	61
Office and administrative support	3	29	26	12	16	4	90
Blue-Collar							
Farming, fishing, and forestry	0	1	0	0	0	0	1
Construction and extraction	4	22	8	3	2	*	39
Installation, maintenance, and equipment repair	5	16	5	5	1	1	33
Production	1	19	12	3	1	*	36
Transportation and material moving	7	34	10	4	4	0	59
Food and Personal Services							
Food preparation and serving	8	28	13	4	4	0	57
Personal care	1	7	4	2	2	0	16
Building and grounds cleaning and maintenance	4	11	5	1	1	0	22
Protective services	1	6	4	1	2	1	15
Managerial and Professional Office							
Management	1	9	6	4	11	7	38
Business operations	0	4	3	2	9	5	23
Financial	*	1	1	1	5	2	10
Legal	*	0	1	1	1	3	6

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

West Virginia: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	2	3	2	17	20	44
Healthcare							
Healthcare professional and technical	1	6	10	16	17	15	65
Healthcare support	3	12	17	6	4	0	42
STEM							
Computer and mathematical sciences	*	2	4	2	6	2	16
Architecture, surveying, drafting, and technical	*	1	1	1	1	1	5
Engineering	*	0	0	0	5	1	6
Life and physical sciences	*	1	1	0	2	2	6
Social sciences	*	*	*	0	1	1	2
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	0	1	0	3	2	6
Community and social services	*	2	2	2	6	5	17
TOTAL**	43	237	153	75	132	75	715

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Wisconsin

Between 2021 and 2031, an average of 346,000 job openings will be created annually in Wisconsin both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 237,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 88,000 of these annual job openings will be for those with a high school diploma.
- ◇ 20,000 of these annual job openings will be for those with less than a high school diploma.

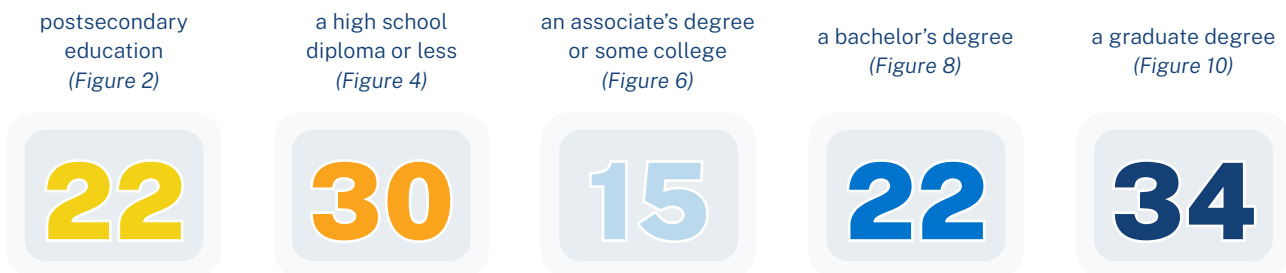
Between 2021 and 2031, net new jobs in Wisconsin requiring postsecondary education and training will grow by 134,000 while net new jobs for workers with a high school education or less will grow by 53,000.

Wisconsin ranks 22nd among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 30th in the share of 2031 jobs for workers with a high school diploma or less. Wisconsin ranks 22nd in the share of jobs requiring postsecondary education in 2031. Of all jobs in Wisconsin, 69 percent (2,052,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Wisconsin state rank | Percentage of jobs in 2031 that will require:



Wisconsin: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	173,000	6%	42
High school diploma	765,000	26%	23
Some college, no degree	641,000	21%	33
Associate's degree	404,000	14%	5
Bachelor's degree	698,000	23%	22
Graduate degree	309,000	10%	34
Total	2,990,000	100%	

Wisconsin: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	885,000	938,000	53,000
Middle skills	979,000	1,045,000	66,000
Bachelor's degree or higher	939,000	1,007,000	68,000
Total	2,803,000	2,990,000	187,000

Wisconsin: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	607,000	619,000	2%
Blue-Collar	791,000	825,000	4%
Food and Personal Services	376,000	410,000	9%
Managerial and Professional Office	291,000	319,000	10%
Education	172,000	181,000	5%
Healthcare	324,000	371,000	15%
STEM	161,000	176,000	9%
Community Services and Arts	81,000	89,000	10%
Total	2,803,000	2,990,000	7%

Wisconsin: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	12	65	65	34	69	16	261
Office and administrative support	11	81	105	54	93	13	357
Blue-Collar							
Farming, fishing, and forestry	1	3	2	1	1	0	8
Construction and extraction	14	49	32	14	8	2	119
Installation, maintenance, and equipment repair	8	41	38	32	6	0	125
Production	34	141	77	34	21	3	310
Transportation and material moving	29	123	69	26	16	1	264
Food and Personal Services							
Food preparation and serving	34	87	47	19	20	4	211
Personal care	3	20	15	7	11	3	59
Building and grounds cleaning and maintenance	8	40	18	13	6	2	87
Protective services	0	8	11	11	20	2	52
Managerial and Professional Office							
Management	4	20	23	12	52	23	134
Business operations	1	9	18	12	60	17	117
Financial	0	2	4	3	34	11	54
Legal	*	0	1	1	4	9	15

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Wisconsin: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	2	8	12	12	73	74	181
Healthcare							
Healthcare professional and technical	1	6	16	52	62	58	195
Healthcare support	9	49	63	31	17	6	175
STEM							
Computer and mathematical sciences	0	4	11	15	47	14	91
Architecture, surveying, drafting, and technical	*	3	3	5	3	2	16
Engineering	*	0	3	6	26	7	42
Life and physical sciences	0	1	1	3	9	7	21
Social sciences	*	0	*	*	1	5	6
Community Services and Arts							
Arts, design, entertainment, sports, and media	0	2	4	5	20	4	35
Community and social services	*	1	3	4	20	25	53
TOTAL**	171	763	641	406	699	308	2,988

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Wyoming

Between 2021 and 2031, an average of 35,000 job openings will be created annually in Wyoming both from new jobs and jobs that come open for other reasons, most frequently retirement. This is how the vacancies will break down by education level:

- ◇ 23,000 of these annual job openings will be for workers with postsecondary credentials.
- ◇ 10,000 of these annual job openings will be for those with a high school diploma.
- ◇ 2,000 of these annual job openings will be for those with less than a high school diploma.

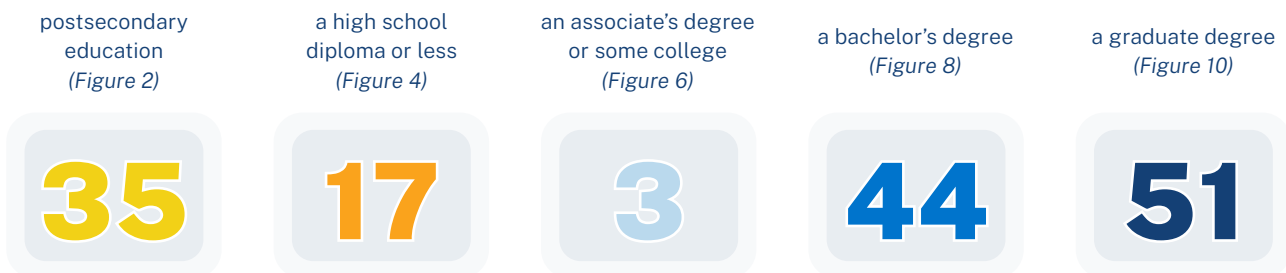
Between 2021 and 2031, net new jobs in Wyoming requiring postsecondary education and training will grow by 16,000 while net new jobs for workers with a high school education or less will grow by 10,000.

Wyoming ranks 44th among the states in terms of the proportion of its 2031 jobs that will require a bachelor's degree and 17th in the share of 2031 jobs for workers with a high school diploma or less. Wyoming ranks 35th in the share of jobs requiring postsecondary education in 2031. Of all jobs in Wyoming, 65 percent (195,000 jobs) will require some postsecondary training beyond high school in 2031.

This state profile uses job openings as a measure of job demand, a fairly new measure that is starkly different from the job replacement rates measure previously used by the US Bureau of Labor Statistics. We do not count job-to-job changes within the same occupation; rather, job openings are the total of a) new jobs and b) jobs that become available when individuals leave the labor force or move from one occupational category to another.

State job projections include only non-farm payroll jobs. They do not include self-employed workers.

Wyoming state rank | Percentage of jobs in 2031 that will require:



Wyoming: Jobs forecast for 2031 by education level

Education level	2031 Jobs	Share of jobs	Rank by share among states
Less than high school	18,000	6%	39
High school diploma	87,000	28%	9
Some college, no degree	74,000	25%	8
Associate's degree	40,000	13%	7
Bachelor's degree	57,000	19%	44
Graduate degree	25,000	8%	51
Total	301,000	100%	

Wyoming: Change in jobs by education level

Education level	2021 Jobs	2031 Jobs	Change in net new jobs
High school diploma or less	95,000	105,000	10,000
Middle skills	104,000	114,000	10,000
Bachelor's degree or higher	76,000	82,000	6,000
Total	275,000	301,000	26,000

Wyoming: Occupations

Occupation	2021 Jobs	2031 Jobs	Growth (%)
Sales and Office Support	53,000	55,000	4%
Blue-Collar	83,000	88,000	6%
Food and Personal Services	46,000	57,000	24%
Managerial and Professional Office	26,000	27,000	4%
Education	20,000	22,000	10%
Healthcare	25,000	29,000	16%
STEM	14,000	14,000	0%
Community Services and Arts	8,000	8,000	0%
Total	275,000	300,000	9%

Wyoming: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Sales and Office Support							
Sales	2	8	7	2	5	1	25
Office and administrative support	1	6	11	4	5	2	29
Blue-Collar							
Farming, fishing, and forestry	0	0	1	0	1	*	2
Construction and extraction	2	14	5	2	3	0	26
Installation, maintenance, and equipment repair	1	5	6	6	1	0	19
Production	1	6	3	2	1	0	13
Transportation and material moving	3	14	7	1	1	0	26
Food and Personal Services							
Food preparation and serving	4	11	10	4	2	*	31
Personal care	0	3	2	1	1	0	7
Building and grounds cleaning and maintenance	1	6	3	1	1	0	12
Protective services	*	1	2	2	1	0	6
Managerial and Professional Office							
Management	0	3	3	1	4	2	13
Business operations	0	0	1	1	3	0	5
Financial	*	0	0	1	2	1	4
Legal	*	*	0	*	0	1	1

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.

Wyoming: Where the jobs will be in 2031, by occupation and education level (in thousands of jobs)

Occupations	Less than high school	High school graduates	Some college	Associate's degree	Bachelor's degree	Graduate degree	Total
Education							
Education	0	2	4	1	7	7	21
Healthcare							
Healthcare professional and technical	*	1	1	5	5	5	17
Healthcare support	1	4	3	1	2	*	11
STEM							
Computer and mathematical sciences	*	0	1	1	2	0	4
Architecture, surveying, drafting, and technical	0	*	1	0	1	*	2
Engineering	*	0	*	0	2	0	2
Life and physical sciences	0	*	1	0	2	1	4
Social sciences	*	*	0	*	0	1	1
Community Services and Arts							
Arts, design, entertainment, sports, and media	*	0	1	0	1	*	2
Community and social services	*	0	0	1	3	1	5
TOTAL**	16	84	73	37	56	22	288

*Not available due to data limitations.

**Values may not sum to the overall forecast totals or to 100 percent due to rounding.



After Everything: Projections of Jobs, Education, and Training Requirements through 2031 can be accessed online at: cew.georgetown.edu/Projections2031.



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