

Long Term Industry Projections Self-employed Industry



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Training and Rehabilitation

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Executive Summary

Nevada's long-term projections cover the period 2020 to 2030. This report summarizes long-term employment projections for self-employed industry produced by the Research & Analysis Bureau of Nevada's Department of Employment, Training, and Rehabilitation. These projections are funded by the U.S. Department of Labor, Employment and Training Administration through the Workforce Information Grants to States.

Self-employed Industry

The NAICS code 601 includes self-employed employment. The self-employed industry employment declined from 82,343 jobs in 2019 to 77,577 in 2020. This represents a 5.8% decline over the year. In 2019 the self-employed industry made up 6.7 percent of all industries in the Silver State. In 2020 this industry represented 5.7 percent of all total industries.

As the recovery from the COVID-19 pandemic continues, the employment level for self-employed industry is expected to rise from 77,577 jobs in 2020 to 86,082 in 2030. This is about 11 percent increase during the ten-year period. By 2030 it is expected that this industry will represent 5.3 percent of all industries in Nevada.

The occupation groups with the highest employment absolute change in self-employed industry from 2020 to 2030 include: 1. Construction and extraction occupations 2. Arts, design, entertainment, sports, and media occupations 3. Personal care and service occupations 4. Transportation and material moving occupations 5. Management occupations 6. Building and grounds cleaning and maintenance occupations 7. Healthcare support occupations 8. Business and Financial Operations Occupations 9. Educational instruction and library occupations 10. Healthcare practitioners and technical occupations.

The occupation group with the highest employment growth in self-employed industry from 2020 to 2030 include: 1. Healthcare support occupations (31.4% growth) 2. Transportation and material moving occupations (31.3% growth) 3. Arts, design, entertainment, sports and media occupations (26.6% growth) 4. Personal care and service occupations (26.5% growth) 5. Protective Service Occupations (16.81% growth) 6. Educational instruction and library occupations (16.76% growth) 7. Community and social service occupations (16.4% growth) 8. Construction and extraction occupations (14.2% growth) 9. Food preparation and serving related occupations (10.9% growth) 9. Production occupations (9.9% growth) 10. Management occupations (9.4% growth)

By 2030 it is expected that the self-employed industry will make up 5.3 percent of all total industries in Nevada.

Projection Period

Nevada's long-term projections cover the period 2020 to 2030. The base year 2020 reflects in part the negative impact on employment produced by the shutdown of nonessential business in the state to contain the spread of the COVID-19 pandemic. The COVID-19 recession lasted two months from February 2020 to April 2020.

Projected Jobs Change in Self-employed Industry

The employment level for all total industries is expected to rise from 1.3 million jobs in 2020 to 1.6 million in 2030. That is about 19.7% increase during the ten-year period.

This section examines the actual and projected change in the number of jobs, specifically for the self-employed industry. The self-employed industry employment is included in the NAICS code 601.

The Bureau of Labor Statistics (BLS) classifies self-employed workers as "either incorporated or unincorporated. Incorporated workers, such as small-business owners, have established a legal corporation and typically employ others. Unincorporated workers, such as freelancers, have not established a corporation and often operate alone. Most self-employed workers are unincorporated, according to BLS."

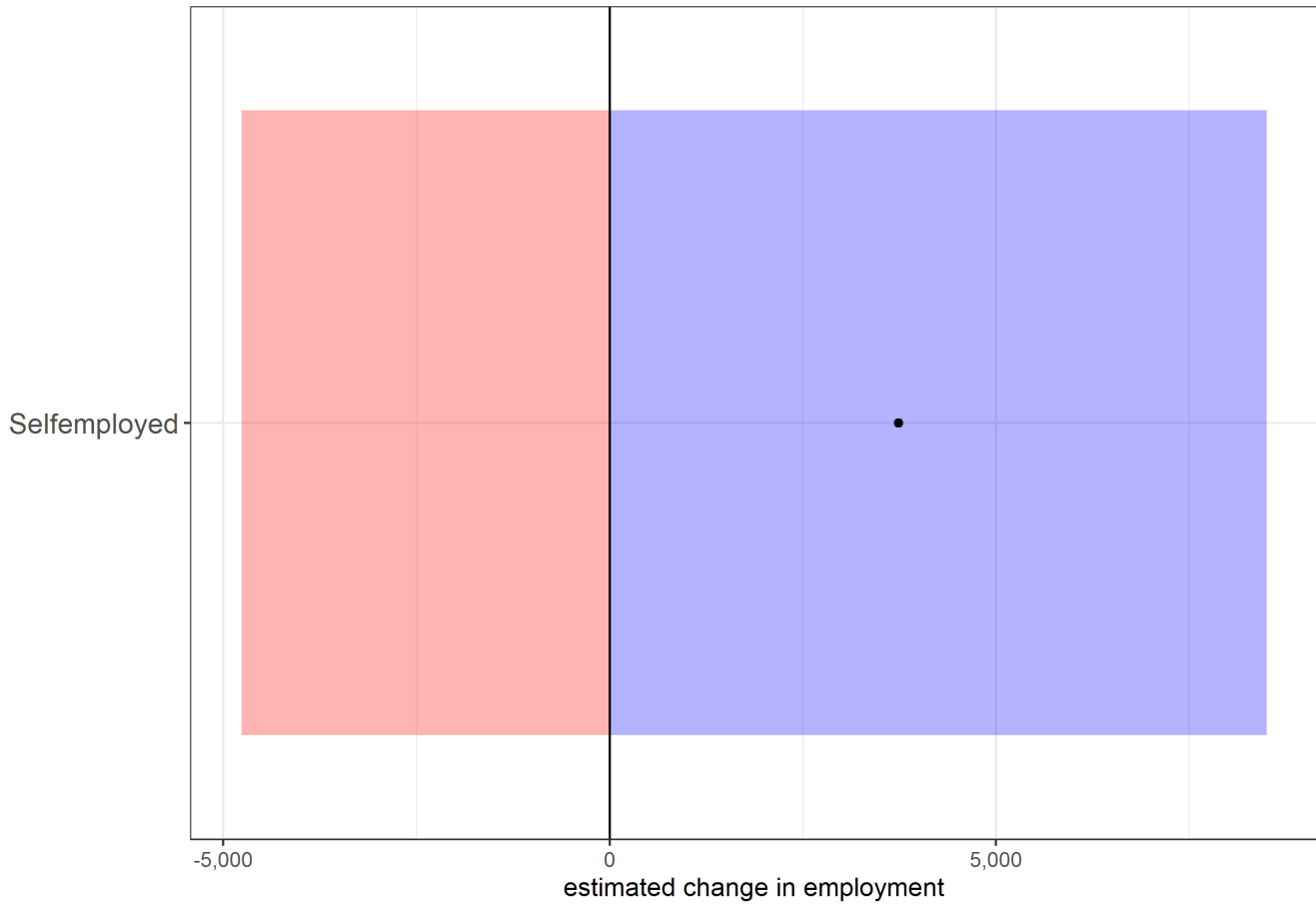
This industry is vital in supporting the leisure and hospitality sector. These employees fulfill short term commitments jobs, such as, a magician performing in Las Vegas Strip, an Uber driver chauffeuring tourists, or a photographer. When the service industry collapsed during the COVID-19 recession, the self-employed were ineligible for unemployment insurance because they do not pay payroll taxes. The Pandemic Unemployment Assistance (PUA) federal relief program assisted these employees during the recession; however, this was a temporary support. The self-employed industry employment declined from 82,343 jobs in 2019 to 77,577 in 2020 (a 5.8% decline over the year).

As the economy recovers, it is expected that the self- employed industry will continue to improve through 2030. According to the long-term projections, the employment level for self-employed industry is expected to rise from 77,577 jobs in 2020 to 86,082 in 2030. That is about 11 percent increase during the ten-year period.

In order to account for the COVID-19 recession negative impacts, this report incorporates annual data from 2019 to show the job loss from 2019 to 2020, and the recovery from 2020 to 2030. The chart below shows actual and projected employment change across the 2019 to 2020 period, with the 2019 to 2020 impact in red and the 2020 to 2030 impact in blue. The black dot represents the combined 2019 to 2030 change value.

Self-employed Industry

Red shows 2019 to 2020 change; blue shows projected 2020 to 2030 change



Occupations in Self-employed industry

Because the self-employed industry was negatively impacted by the COVID-19, it is important to see how this situation affected the occupational projections from 2020 to 2030 in this industry.

The long-term projections show that the occupations groups with the highest employment change in self-employed industry from 2020 to 2030 include: (1) Construction and extraction occupations. (2) Arts, design, entertainment, sports, and media occupations. (3) Personal care and service occupations. (4) Transportation and material moving occupations. (5) Management occupations. (6) Building and grounds cleaning and maintenance occupations. (7) Healthcare support occupations. (8) Business and financial operations occupations. (9) Educational instruction and library occupations. (10) Healthcare practitioners and technical occupations.

Table 1. Nevada: Self-employed Industry Occupations Projections

Occupation	2020 employment	2020 employment share	2030 employment	2030 employment share	2020 to 2030 employment change	2020 to 2030 relative change
All Occupations	77,577	100.0%	86,082	100.0%	8,505	5.3%
Construction and Extraction Occupations	13,290	17.1%	15,173	17.6%	1,883	6.8%
Arts, Design, Entertainment, Sports, and Media Occupations	6,190	8.0%	7,834	9.1%	1,644	12.5%
Personal Care and Service Occupations	5,880	7.6%	7,436	8.6%	1,556	12.5%
Transportation and Material Moving Occupations	4,051	5.2%	5,319	6.2%	1,268	14.6%
Management Occupations	10,456	13.5%	11,435	13.3%	979	4.6%
Building and Grounds Cleaning and Maintenance Occupations	7,410	9.6%	7,990	9.3%	580	3.8%
Healthcare Support Occupations	1,261	1.6%	1,657	1.9%	396	14.6%
Business and Financial						

Table 1. Nevada: Self-employed Industry Occupations Projections

Occupation	2020 employment	2020 employment share	2030 employment	2030 employment share	2020 to 2030 employment change	2020 to 2030 relative change
Operations Occupations	4,036	5.2%	4,266	5.0%	230	2.8%
Educational Instruction and Library Occupations	1,008	1.3%	1,177	1.4%	169	8.1%
Healthcare Practitioners and Technical Occupations	1,744	2.2%	1,899	2.2%	155	4.3%

I. Construction and extractions occupations in self-employed industry

Construction and extractions occupations (SOC 47.0000) in self-employed industry are expected to rise from 13,290 jobs in 2020 to 15,173 in 2030. That is a 14.2% increase over the ten-year period. The following occupations show the largest employment change during the ten year period:

I.1. Carpenters (SOC code 47.2031) employment is expected to rise from 3,771 jobs in 2020 to 4,322 in 2030. These occupations usually require a high school diploma. Employees in these occupations need from a few months to one year of working with experienced employees. The College of Southern Nevada has a less than one year certificate carpenter training course. The hourly mean wage for these occupations is \$29.2 and the annual mean salary \$60,740.

I.2. Construction Laborers (SOC 47.2061) employment is expected to rise from 3,133 jobs in 2020 to 3,584 in 2030. These occupations usually require a high school diploma. Employees need from a few months to one year of working with experienced employees. The Nevada State Contractors' Board offers two license titles: Glass and Glazing Contractor (C8) and Roofing and Siding Contractor (C15). The hourly mean wage for these occupations is \$20.84 and the annual mean salary \$43,360.

I.3. Painters, construction, and maintenance workers (SOC 47.2141) employment is expected to rise from 1,773 jobs in 2020 to 2,028 in 2030. These occupations usually require a high school diploma. Employees need from a few months to one year of working with experienced employees. The College of Southern Nevada has a less than two years certificate painting/painter and wall coverer training course. The hourly mean wage for these occupations is \$22.47 and the annual mean salary \$46,740.

II. Arts, design, entertainment, sports, and media occupations in self-employed industry

Arts, design, entertainment, sports, and media occupations (SOC 27.0000) in self-employed industry are expected to rise from 13,290 jobs in 2020 to 15,173 in 2030. That is a 14.2% increase over the ten-year period. The following occupations show the largest change during the ten year period:

II.1. Photographers (SOC 27.4021) employment in self-employed industry is expected to rise from 1,271 jobs in 2020 to 1,855 in 2030. Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree. Employees need one or two years of training involving both on-the-job experience and informal training with experienced workers. The University of Nevada, Las Vegas (UNLV) and Reno (UNR) offer an Art Studies Bachelor's degree; UNR offers also a Master's degree. The College of Southern Nevada offers an Associate's degree in Commercial Photography and in Art Studies. The Truckee Meadows Community College offers an Associate's degree in Digital Arts. The hourly mean wage for these occupations is \$16.07 and the annual mean salary \$33,430.

II.2. All other entertainers and performers, sports and related workers (SOC 27.2099) employment in self-industry is expected to rise from 753 jobs in 2020 to 1,065 in 2030. The University of Nevada, Las Vegas (UNLV) and UNR offer a Bachelor's degree in Drama and Dramatics/General Theater Arts. The UNLV also offers a Master's degree in this program. UNR also offers a Bachelor's degree in Theater and Dance. The College of Southern Nevada offers an Associate's degree in Drama and Dramatics/General Theater Arts.

II.3. Interpreters and Translators (SOC 27.3091) employment in self-industry is expected to rise from 296 jobs in 2020 to 408 in 2030. Most of these occupations require a four-year bachelor's degree, but some do not. The hourly mean wage for these occupations is \$14.46 and the annual mean salary \$30,070. There are 19 training programs available in the Silver State. For details see table below:

Table 2. Nevada: Training for Interpreters and Translators

Program	School	Degree
American Sign Language (ASL)	Western Nevada College	One bus less than two years certificate
Language Interpretation and Translation	Great Basin College	One bus less than two years certificate
Education/Teaching of Individuals with Hearing Impairments Including Deafness	College of Southern Nevada	Associate's degree
Foreign Languages and Literatures, General	College of Southern Nevada	Associate's degree
Deaf Studies	Western Nevada College	Associate's degree
Spanish Language and Literature	Truckee Meadows Community College	Associate's degree
Education/Teaching of Individuals with Hearing Impairments Including Deafness	Western Nevada College	Associate's degree
Spanish Language and Literature	University of Nevada-Reno	Bachelor's degree
French Language and Literature	University of Nevada-Reno	Bachelor's degree
Deaf Studies	Nevada State College	Bachelor's degree
French Language and Literature	University of Nevada-Las Vegas	Bachelor's degree
Other Romance Languages, Literatures, and Linguistics	University of Nevada-Las Vegas	Bachelor's degree
Deaf Studies	College of Southern Nevada	Bachelor's degree
German Language and Literature	University of Nevada-Las Vegas	Bachelor's degree

Table 2. Nevada: Training for Interpreters and Translators

Program	School	Degree
Linguistics	University of Nevada-Las Vegas	Bachelor's degree and Doctor's degree-research/scholarship
Spanish Language and Literature	University of Nevada-Las Vegas	Bachelor's degree and Master's degree
Other Foreign Languages, Literatures, and Linguistics	University of Nevada-Reno	Doctor's degree – research/scholarship
Sign Language Interpretation and Translation	Western Nevada College	Less than one year certificate
Foreign Languages and Literatures, General	University of Nevada-Reno	Master's degree

II.4. Writers and Authors (SOC code 27.3043) employment in self-industry is expected to rise from 385 in 2020 to 670 in 2030. Most of these occupations require a four-year bachelor's degree, but some do not. The hourly mean wage for these occupations is \$31.16 and the annual mean salary \$64,810. There are 12 training programs available in Nevada. For details see table below:

Table 3. Nevada: Training for Writers and Authors

Program	School	Degree
Speech Communication and Rhetoric	College of Southern Nevada	Associate's degree
Journalism	College of Southern Nevada	Associate's degree
Creative Writing	College of Southern Nevada	Associate's degree
General Communication	Truckee Meadows Community College	Associate's degree
General Communication	Nevada State College	Bachelor's degree
Mass Communication/Media Studies	University of Nevada-Las Vegas	Bachelor's degree and Master's degree
Speech Communication and Rhetoric	University of Nevada-Las Vegas	Bachelor's degree and Master's degree
Journalism	University of Nevada-Reno	Bachelor's degree and Master's degree
Speech Communication and Rhetoric	University of Nevada-Reno	Bachelor's degree and Master's degree
Creative Writing	Sierra Nevada University	Master's degree
Creative Writing	University of Nevada-Las Vegas	Master's degree
Creative Writing	University of Nevada-Reno	Master's degree

III. Personal care and service occupations in self-employed industry

Personal care and service occupations (SOC 39.0000) in self-employed industry are expected to rise from 5,880 jobs in 2020 to 7,436 in 2030. That is a 26.5% increase over the ten-year period. The hourly mean wage for these occupations is \$13.54 and the annual mean salary \$28,170. The following occupations show the largest employment change during the ten year period:

III.1. Hairdressers, Hairstylists, and Cosmetologists (SOC 39.5012) employment in self-industry is expected to rise from 1,869 jobs in 2020 to 2,315 in 2030. Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. The hourly mean wage for these occupations is \$12.78 and the annual mean salary \$26,580. There are 15 training programs offered in Nevada. For details see table below:

Table 4. Nevada: Training for Hairdressers, Hairstylists, and Cosmetologists

Program	School	Degree
Make-Up Artist/Specialist	L Makeup Institute	Less than one year certificate
Cosmetology, Barber/Styling, and Nail Instructor	Milan Institute of Cosmetology-Reno. Paul Mitchell School-Las Vegas	Less than one year certificate
General Cosmetology/Cosmetologist	Paul Mitchell the School-Las Vegas	One but less than two years certificate
General Cosmetology/Cosmetologist	Expertise Cosmetology Institute	One but less than two years certificate
General Cosmetology/Cosmetologist	Euphoria Institute of Beauty Arts & Sciences-Summerlin	One but less than two years certificate
General Cosmetology/Cosmetologist	Paul Mitchell School-Reno	One but less than two years certificate
General Cosmetology/Cosmetologist	Academy of Hair Design-Las Vegas	One but less than two years certificate
General Cosmetology/Cosmetologist	Casal Institute of Nevada	One but less than two years certificate
General Cosmetology/Cosmetologist	International Academy of Style Reno	One but less than two years certificate
General Cosmetology/Cosmetologist	Milan Institute of Cosmetology-Reno	One but less than two years certificate
Hair Styling/Stylist and Hair Design	Academy of Hair Design-Las Vegas	One but less than two years certificate
Hair Styling/Stylist and Hair Design	Expertise Cosmetology Institute	One but less than two years certificate
Hair Styling/Stylist and Hair Design	International Academy of Style Reno	One but less than two years certificate
Cosmetology,		

Table 4. Nevada: Training for Hairdressers, Hairstylists, and Cosmetologists

Program	School	Degree
Barber/Styling, and Nail Instructor	Paul Mitchell School-Reno	One but less than two years certificate

III.2. Exercise Trainers and Group Fitness Instructors (SOC 39.9031) employment in self-industry is expected to rise from 469 jobs in 2020 to 638 in 2030. Most of these occupations require training in vocational schools, related on-the-job experience, or an associate's degree. Employees need one or two years of training involving both on-the-job experience and informal training with experienced workers. The hourly mean wage for these occupations is \$19.91 and the annual mean salary \$41,410. There are two training programs offer in Nevada: Physical Fitness Technician, Associate's degree and One but less than two years certificate offer by Truckee Meadows Community College. Physical Education Teaching and Coaching Post baccalaureate certificate offer by University of Nevada - Las Vegas.

III.3. Animal Caretakers (SOC 39.2021) employment in self-industry is expected to rise from 449 jobs in 2020 to 649 in 2030. These occupations usually require a high school diploma. Employees need a few months to one year of working with experienced employees. The hourly mean wage for these occupations is \$13.17 and the annual mean salary \$27,400.

III.4. Barbers (SOC 39.5011) employment in self-industry is expected to rise from 655 jobs in 2020 to 812 in 2030. Employees need one or two years of training involving both on-the-job experience and informal training with experienced workers. The Paul Mitchell School-Reno offers one but less than two years certificate on Cosmetology, Barber/Styling, and Nail Instructor. The hourly mean wage for these occupations is \$12.78 and the annual mean salary \$26,580.

III.5. Gambling Dealers (SOC 39.3011) employment in self-industry is expected to rise from 183 jobs in 2020 to 300 in 2030. These occupations usually require a high school diploma. Employees in these occupations need anywhere from a few months to one year of working with experienced employees. The hourly mean wage for these occupations is \$9.40 and the annual mean salary \$19,560.

IV. Transportation and material moving occupations in self-employed industry

Transportation and material moving occupations (SOC 53.0000) in self-employed industry are expected to rise from 4,051 jobs in 2020 to 5,319 in 2030. That is a 31.3% increase over the ten-year period. The hourly mean wage for these occupations is \$19.60 and the annual mean salary \$40,760. The following occupations show the largest employment change during the ten year period:

IV.1. Taxi Drivers (SOC 53.3054) employment in self-employed industry are expected to increase from 1,369 jobs in 2020 to 2,344 in 2030. These occupations usually require a high school diploma. Employees need a few months to one year of working with experienced employees. The hourly mean wage for these occupations is \$15.03 and the annual mean salary \$31,270.

IV.2. Heavy and Tractor-Trailer Truck Drivers (SOC 53.3032) employment in self-employed industry are expected to increase from 838 jobs in 2020 to 921 in 2030. These occupations usually require a high school diploma. Employees need a few months to one year of working with experienced employees. The hourly mean wage for these occupations is \$24.45 and the annual mean salary \$50,860.

IV.3. Hand laborers and freight, stock and material movers (SOC 53.7062) employment in self-employed industry are expected to increase from 279 jobs in 2020 to 350 in 2030. This occupation usually require a high school diploma. Employees need a few months to one year of working with experienced employees. The hourly mean wage for these occupations is \$16.78 and the annual mean salary \$34,910.

V. Management occupations in self-employed industry

Management occupations (SOC 11.0000) employment in self-employed industry are expected to increase from 10,456 jobs in 2020 to 11,435 in 2030. That is a 9.4% increase over the ten-year period. The hourly mean wage for these occupations is \$47.19 and the annual mean salary \$98,140. The following occupations show the largest employment change during the ten year period:

V.1. Construction Managers (SOC 11.9021) employment in self-employed industry are expected to increase from 1,922 jobs in 2020 to 2,198 in 2030. Most of these occupations require a four-year bachelor's degree, but some do not. Employees need several years of work-related experience, on-the-job training, and/or vocational training. The hourly mean wage for these occupations is \$44.70 and the annual mean salary \$92,980. There are 14 training programs offer in Nevada. For details see table below:

Table 5. Nevada: Training for Construction Managers

Program	School	Degree
General Business Administration and Management	College of Southern Nevada	One but less than two years certificate. Associate's degree
General Business/Commerce	Truckee Meadows Community College	One but less than two years certificate. Associate's degree
General Business/Commerce	Western Nevada College	One but less than two years certificate. Associate's degree
General Business Administration and Management	Great Basin College	One but less than two years certificate. Associate's degree. Bachelor's degree
General Business Administration and Management	University of Phoenix-Nevada	Less than one year certificate. Bachelor's degree. Master's degree
General Business Administration and Management	Western Nevada College	Associate's degree
General Business/Commerce	University of Nevada-Reno	Bachelor's degree
General Business Administration and Management	Nevada State College	Bachelor's degree
General Construction Management	University of Nevada-Las Vegas	Bachelor's degree
General Business/Commerce	DeVry University-Nevada	Bachelor's degree
General Business Administration and Management	University of Nevada-Las Vegas	Bachelor's degree. Post baccalaureate certificate. Master's degree
General Business Administration and		

Table 5. Nevada: Training for Construction Managers

Program	School	Degree
Management	University of Nevada-Reno	Bachelor's degree. Master's degree
General Business Administration and Management	DeVry University-Nevada	Bachelor's degree. Master's degree
General Business Administration and Management	Roseman University of Health Sciences	Master's degree

V.2. Farmers, ranchers, and other agricultural managers (SOC 11.9013) employment in self-employed industry is expected to increase from 2,716 jobs in 2020 to 2,896 in 2030. Most of these occupations require a four-year bachelor's degree, but some do not. Employees need several years of work-related experience, on-the-job training, and/or vocational training. The University of Nevada-Reno offers a Bachelor's degree and a master's degree on Range Science and Management.

V.3. Food Service Managers (SOC 11.9051) employment in self-employed industry is expected to increase from 1,311 jobs in 2020 to 1,454 in 2030. These occupations usually require a high school diploma. Employees in these occupations need anywhere from a few months to one year of working with experienced employees. The hourly mean wage for these occupations is \$25.46 and the annual mean salary \$52,950. Nevada offers 14 training programs. For details see table below:

Table 6. Nevada: Training for Food Managers

Program	School	Degree
Hotel/Motel Administration/Management	College of Southern Nevada	One but less than two years certificate. Associate's degree
General Hospitality Administration/Management	College of Southern Nevada	One but less than two years certificate. Associate's degree
Restaurant/Food Services Management	College of Southern Nevada	One but less than two years certificate. Associate's degree
Other Hospitality Administration/Management	Truckee Meadows Community College	Associate's degree
Other Hospitality Administration/Management	University of Nevada-Las Vegas	Bachelor's degree
General Hospitality Administration/Management	University of Nevada-Las Vegas	Bachelor's degree. Master's degree. Doctor's degree - research/scholarship

VI. Building and grounds cleaning and maintenance occupations in self-employed industry

Building and grounds cleaning and maintenance occupations (SOC 37.0000) employment in self-employed industry are expected to increase from 7,410 jobs in 2020 to 7,990 in 2030. That is a 7.8% increase over the ten-year period. The hourly mean wage for these occupations is \$15.81 and the annual mean salary \$32,880. The following occupations show the largest employment change during this period:

VI.1. Landscaping and groundskeeping workers (SOC 37.3011) employment in self-employed industry are expected to increase from 2,267 jobs in 2020 to 2,444 in 2030. Some of these occupations may require a high school diploma or GED certificate. Employees need a few days to a few months of training. The hourly mean wage for these occupations is \$16.49 and the annual mean salary \$34,300. There Truckee Meadows Community College offers an Associate's degree on Golf Course Operations and Grounds Management.

VI.2. Maids and housekeeping cleaners (SOC 37-2012) employment in self-employed industry are expected to increase from 2,055 jobs in 2020 to 2,210 in 2030. Some of these occupations may require a high school diploma or GED certificate. Employees in these occupations need a few days to a few months of training. The hourly mean wage for these occupations is \$15.67 and the annual mean salary \$32,600.

VI.3. First-Line Supervisors of housekeeping and janitorial workers (SOC 37-1011) employment in self-employed industry is expected to increase from 1,175 jobs in 2020 to 1,275 in 2030. These occupations usually require a high school diploma. Employees need a few months to one year of working with experienced employees. The hourly mean wage for these occupations is \$19.67 and the annual mean salary \$40,910. The Career College of Northern Nevada offers an Associate's degree on Building/Property Maintenance. The Truckee Meadows Community College offers one but less than two years certificate in Building/Property Maintenance.

VI.4. Janitors and cleaners, except maids and housekeeping cleaners (SOC 37.2011) employment in self-employed industry is expected to increase from 1,215 jobs in 2020 to 1,305 in 2030. These occupations usually require a high school diploma. Employees need a few months to one year of working with experienced employees. The hourly mean wage for these occupations is \$14.55 and the annual mean salary \$30,260.

VII. Healthcare support occupations in self-employed industry

Healthcare support occupations in self-employed industry (SOC 31.0000) employment in self-employed industry are expected to increase from 1,261 jobs in 2020 to 1,657 in 2030. That is a 31.4% increase over the ten-year period. The hourly mean wage for these occupations is \$15.95 and the annual mean salary \$33,180. The following occupations show the largest employment change during this period:

VII.1. Home health and personal care aides (SOC 31.1120) employment in self-employed industry is expected to increase from 368 jobs in 2020 to 561 in 2030. These occupations usually require a high school diploma. Employees need a few months to one year of working with experienced employees. The hourly mean wage for these occupations is \$12.22 and the annual mean salary \$25,430.

VII.2. Massage therapists (SOC 31.9011) employment in self-employed industry is expected to increase from 733 jobs in 2020 to 916 in 2030. Most of these occupations require training in vocational schools, related on-the-job experience, or an associate's degree. Employees need one or two years of training involving both on-the-job experience and informal training with experienced workers. The hourly mean wage for these occupations is \$17.37 and the annual mean salary \$36,120. Nevada offers four training programs. For details see table below:

Table 7. Nevada: Training for Massage Therapists

Program	School	Degree
Massage Therapy/Therapeutic Massage	European Massage Therapy School-Las Vegas	Less than one year certificate
Massage Therapy/Therapeutic Massage	Milan Institute-Sparks	Less than one year certificate
Massage Therapy/Therapeutic Massage	Northwest Career College	One but less than two years certificate.
Massage Therapy/Therapeutic Massage	Truckee Meadows Community College	Associate's degree

VIII. Business and financial operations occupations in self-employed industry

Business and financial operations occupations in self-employed industry (SOC 13.1000) employment in self-employed industry are expected to increase from 4,036 jobs in 2020 to 4,266 in 2030. That is a 5.7% increase over the ten-year period. Most of these occupations require a four-year bachelor's degree, but some do not. Employees need several years of work-related experience, on-the-job training, and/or vocational training. The hourly mean wage for these occupations is \$34.58 and the annual mean salary \$71,930. The following occupation shows the largest employment change during this period:

VIII.1. Management Analysts (SOC 13.1111) employment in self-employed industry is expected to increase from 777 jobs in 2020 to 972 in 2030. Most of these occupations require graduate school. Employees may need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training. The hourly mean wage for these occupations is \$40.70 and the annual mean salary \$84,650. Nevada offers 14 training programs. For details see table below:

Table 8. Nevada: Training for Management Analysts

Program	School	Degree
General Business Administration and Management	College of Southern Nevada	One but less than two years certificate. Associate's degree
General Business Administration and Management	University of Nevada-Las Vegas	Bachelor's degree. Post baccalaureate certificate. Master's degree
General Business/Commerce	University of Nevada-Reno	Bachelor's degree
General Business Administration and Management	University of Nevada-Reno	Bachelor's degree. Master's degree
General Business/Commerce	Truckee Meadows Community College	One but less than two years certificate. Associate's degree
General Business Administration and Management	Nevada State College	Bachelor's degree
General Business Administration and Management	Great Basin College	One but less than two years certificate. Associate's degree. Bachelor's degree
General Business Administration and Management	University of Phoenix-Nevada	Less than one year certificate. Bachelor's degree. Master's degree
General Business Administration and Management	Roseman University of Health Sciences	Master's degree
General Business Administration and Management	Western Nevada College	Associate's degree
General Business Administration and Management	DeVry University-Nevada	Bachelor's degree. Master's degree

Table 8. Nevada: Training for Management Analysts

Program	School	Degree
General Business/Commerce	Western Nevada College	One but less than two years certificate. Associate's degree
Business/Managerial Economics	College of Southern Nevada	Associate's degree
General Business Commerce	DeVry University-Nevada	Bachelor's degree

IX. Educational instruction and library occupations in self-employed industry

Educational instruction and library occupations in self-employed industry (SOC 25.0000) employment in self-employed industry are expected to increase from 1,008 jobs in 2020 to 1,177 in 2030. That is a 16.8% increase over the ten-year period. Most of these occupations require a four-year bachelor's degree, but some do not. Employees need several years of work-related experience, on-the-job training, and/or vocational training. The hourly mean wage for these occupations is \$32.53 and the annual mean salary \$67,670. The following occupation shows the largest employment change during this period:

IX.1. Other teachers and instructors (SOC 25.3000) employment in self-employed industry is expected to increase from 794 jobs in 2020 to 1,015 in 2030. Most of these occupations require a four-year bachelor's degree, but some do not. Employees need several years of work-related experience, on-the-job training, and/or vocational training. The hourly mean wage for these occupations is \$21.20 and the annual mean salary \$47,780.

IX.2. Substitute Teachers, Short-Term (SOC 25.3031) employment in self-employed industry is expected to increase from 256 jobs in 2020 to 327 in 2030. Most of these occupations require a four-year bachelor's degree, but some do not. Employees need several years of work-related experience, on-the-job training, and/or vocational training. The wage estimate is not available from May 2021, BLS data.

IX.3. Self-enrichment teachers (SOC 25.3021) employment in self-employed industry is expected to rise from 228 jobs in 2020 to 292 in 2030. These occupations require training in vocational schools, related on-the-job experience, or an associate's degree. Employees need one or two years of training involving both on-the-job experience and informal training with experienced workers. The hourly mean wage for these occupations is \$21.40 and the annual mean salary \$44,520. The University of Nevada-Las Vegas offers a Bachelor's degree and a Doctor's degree-research/scholarship in Adult and Continuing Education and Teaching.

X. Healthcare practitioners and technical occupations in self-employed industry

Healthcare practitioners and technical occupations in self-employed industry (SOC 29.0000) employment in self-employed industry are expected to increase from 1,744 jobs in 2020 to 1,899 in 2030. That is a 8.9% increase over the ten-year period. Most of these occupations require graduate school. Employees may need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training. The median wage for these occupations is \$44.55 and the annual mean salary \$92,670. The following occupation shows the largest employment change during this period:

X.1. Healthcare diagnosis and treating practitioners (SOC 29.1000) employment in self-employed industry is expected to increase from 1,493 in 2020 to 1,617 in 2030. The median

wage for these occupations is \$59.57 and the annual mean salary \$123,897.

X.2. Physical therapists (SOC 29.1123) employment in self-employed industry is expected to increase from 92 jobs in 2020 to 134 in 2030. The median wage for these occupations is \$50.10 and the annual mean salary \$104,210. The Truckee Meadows Community College offers an Associate's degree in Kinesiotherapy/Kinesiotherapist. The University of Nevada-Las Vegas offers a Doctor's degree research/scholarship in Physical Therapy/Therapist. The Touro University Nevada offers a Doctor's degree professional practice in Physical Therapy/Therapist.

X.3. All other therapists (SOC 29.1129) employment in self-employed industry is expected to increase from 126 jobs in 2020 to 160 in 2030. The median wage for these occupations is \$33.27 and the annual mean salary \$69,200.

X.4. Veterinarians (SOC 29.1131) employment in self-employed industry is expected to increase from 55 jobs in 2020 to 81 in 2030. Most of these occupations require graduate school. For example, they may require a master's degree, and some require a Ph.D., M.D., or J.D. (law degree). Employees may need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training. The median wage for these occupations is \$46.00 and the annual mean salary \$95,680.

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Data Sources

These projections would not be possible without the participation of Nevada's employers in BLS surveys. Accurate employer information is essential to determining current economic conditions, employee pay, occupational staffing patterns, and much more.

Employment Projections are calculated internally by the Research & Analysis Bureau. Projections data for all states is published at <http://www.projectionscentral.com/>.

Data on 2019 employment levels comes from the Quarterly Census of Employment and Wages (QCEW) program. QCEW data may be found at <http://nevadaworkforce.com> or <https://www.bls.gov/cew/>.

Data on occupational wages comes from the Occupational Employment Statistics (OES) program. Nevada May 2021. OES data may be found at <http://nevadaworkforce.com> or <https://www.bls.gov/oes/>.

Data on occupational education, experience, and training comes from the O*NET OnLine. May be found at <https://www.onetonline.org/>

Definitions on manufacturing subsectors come from the Bureau of Labor Statistics (BLS) and can be found at: https://www.bls.gov/iag/tgs/iag_index_alpha.htm

Data Manipulation and Visualization

This report was prepared with the use of R, RStudio, and RMarkdown. Specific packages used include the following:

[tidyverse](#)¹, [data.table](#)², [scales](#)³, [RODBC](#)⁴, [RODBCDBI](#)⁵, [gt](#)⁶, [rmarkdown](#)⁷, [knitr](#)⁸, [pagedown](#)⁹

Footnotes:

1. <https://www.tidyverse.org/>↵
2. <https://cran.r-project.org/web/packages/data.table/data.table.pdf>↵
3. <https://cran.r-project.org/web/packages/scales/scales.pdf>↵
4. <https://cran.r-project.org/web/packages/RODBC/RODBC.pdf>↵
5. <https://cran.r-project.org/web/packages/RODBCDBI/RODBCDBI.pdf>↵
6. <https://gt.rstudio.com/>↵
7. <https://rmarkdown.rstudio.com/>↵
8. <https://yihui.org/knitr/>↵
9. <https://pagedown.rbind.io/>↵