

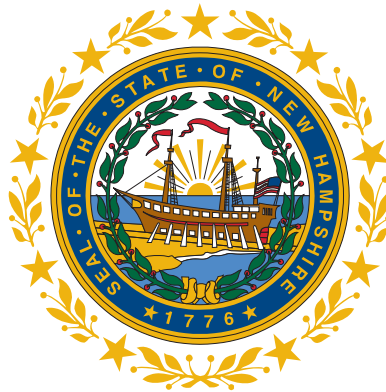


New Hampshire Employment Projections by Industry and Occupation

base year 2022 to projected year 2032

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State of New Hampshire

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New Hampshire Employment Projections by Industry and Occupation

Projections Highlights

Introduction

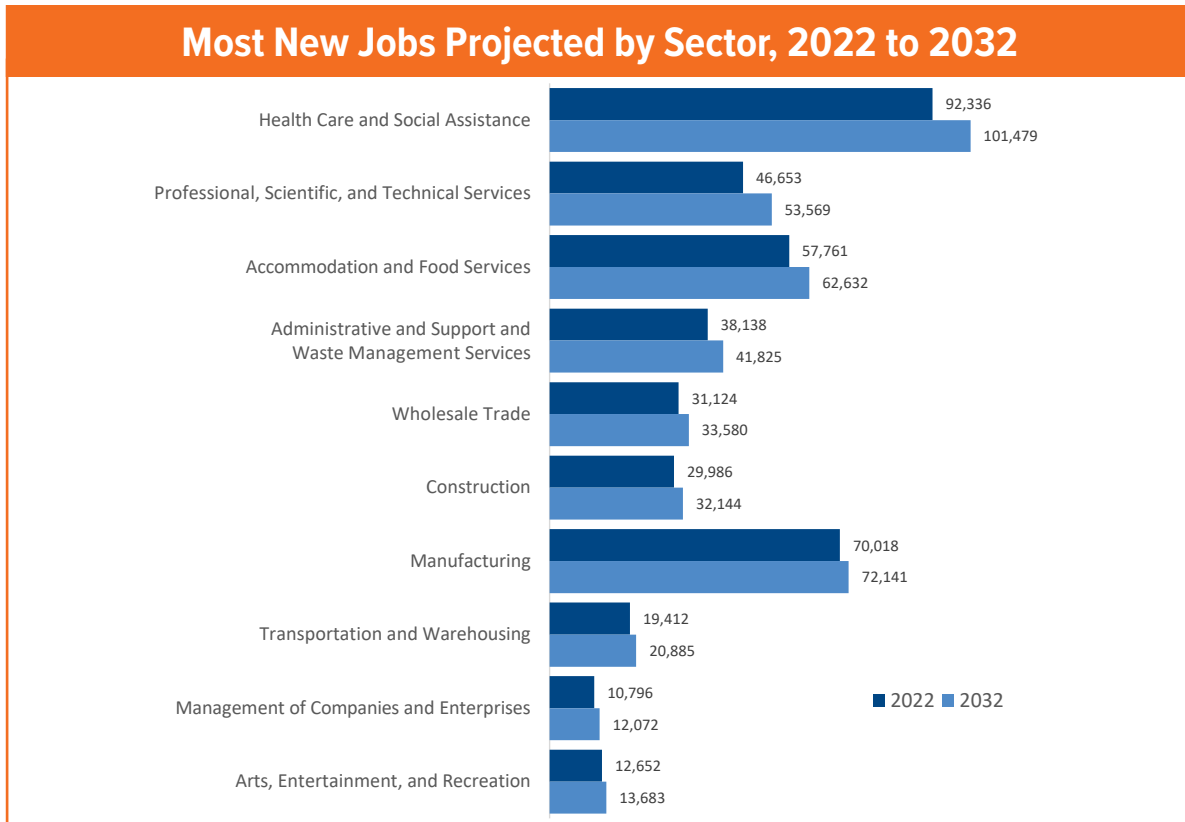
Employment in New Hampshire is projected to grow by 5.8 percent from 2022 to 2032, an increase of 42,000 jobs over the period. Total employment is expected to increase from 719,300 in 2022 to 761,300 in 2032. On an annual basis, there will be an expected 84,400 openings from growth and the need to replace workers.

This report includes projections for 20 industry sectors, more than 100 detailed industries, and more than 700 occupations. Projected growth in industries depends on changes in population, income, and demand for the products and services New Hampshire workers produce. Occupational growth is measured in three ways: actual number of jobs, percent change over the ten-year period, and the number of projected openings from exits, transfers, and growth. Each occupation is also identified with the education, training, and experience required for an entry-level position.

By 2022, the base year for this employment projection, the impact of the COVID-19 pandemic had diminished. Therefore, the employment outlook over the next decade is more in line with the long-term employment trend experienced in New Hampshire prior to the pandemic.

Industry Projections

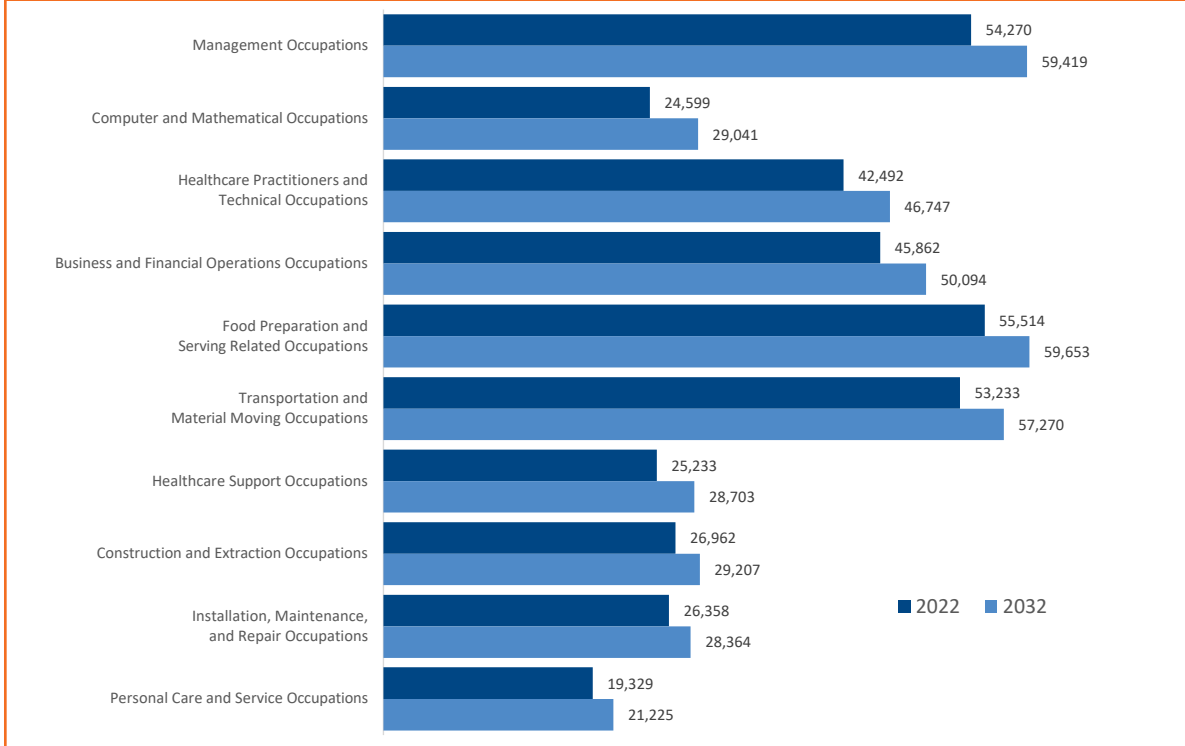
- Healthcare and social assistance sector alone accounts for more than 9,100 projected new jobs, an increase of nearly ten percent, from 2022 to 2032. This sector is involved with providing for the care of an increasing aging population.
- Employment in the professional, technical, and scientific services is projected to increase by more than 6,900 jobs, an increase of nearly 15 percent, in a broad sector that includes computer systems design and related services; management, scientific, and technical consulting services; and architectural, engineering and related services, providing expertise to help organizations to become more efficient and profitable.
- Accommodation and food service employment in 2022 is less than in 2019 when 60,400 were employed in the sector. Jobs lost during the pandemic and the brief recession of spring 2020 that followed have nearly all been recovered, with employment in 2022 at 58,000. As customers return to restaurants and tourist attractions, another 4,900 jobs are projected to be added by 2032.
- Gains are also expected in construction and manufacturing, with each sector adding more than 2,100 jobs, boosted by a generally strong economy and increases in infrastructure spending and housing construction
- Employment in retail trade is projected to decrease by nearly 1,600 jobs as brick-and-mortar stores face competition from online sales. Wholesale trade will offset these losses, increasing by nearly 2,500 jobs over ten years. This indicate that even with a shift toward e-commerce, workers are still needed in the promotion, sales, transportation, and delivery of goods.



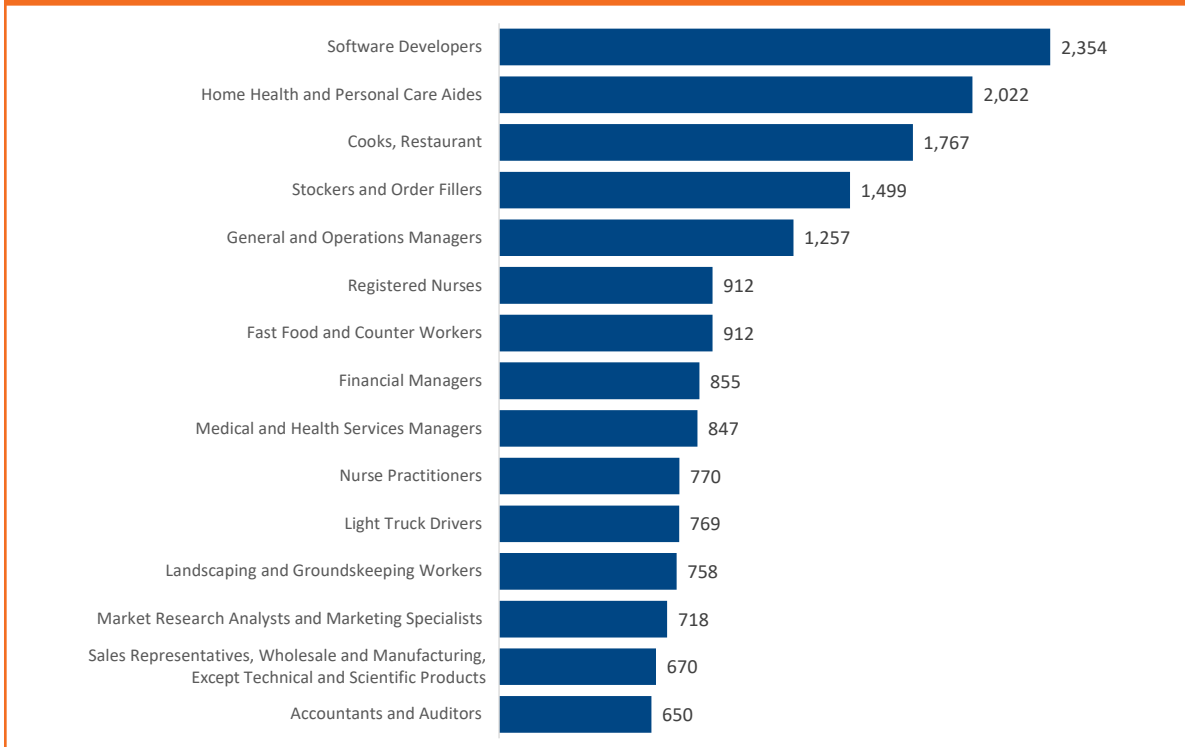
Occupational Projections

- Of the major occupational groups, computer and mathematical occupations is projected to be the fastest growing, at 18.1 percent over the ten-year period. The largest numeric change is projected for management occupations, with 5,100 new jobs by 2032.
- Healthcare practitioners and healthcare support occupations, two separate major occupational groups, account for 7,725 of all new projected jobs by 2032, 18.5 percent of all new jobs in the ten-year period. Increased demand in these occupations is driven by an aging population which typically has increased need for caregiving and therapy. Employment will also expand with new treatments and innovations in medical technology. Home health and personal care aides, registered nurses, and nurse practitioners are three occupations projected to experience large increases in employment.
- Computer and mathematical occupations include software developers, an occupation that is projected to add nearly 2,400 jobs over the 2022 to 2032 decade due to the expansion of artificial intelligence (AI), cybersecurity, cloud computing, robotics, and other applications.
- Food preparation and serving related occupations are projected to see about 11,200 openings each year, more than any other group. Occupations with the most annual openings are led by fast food and counter workers (3,312 openings), cashiers (3,211), retail salespersons (2,822), and stockers and order fillers (2,588). Most of the openings will come from the need to replace workers due to the movement of persons from job to job.
- Employment in business and financial occupations is projected to increase by more than 4,200 over the projections period in occupations including accountants and auditors, and human resources specialists.
- At the detailed level, occupations adding the most new jobs from 2022 to 2032 represent many different major occupational groups, from technical occupations to health care, management, as well as transportation. These detailed occupations also vary in the educational requirement needed of entry-level workers. Some require a bachelor’s degree where other occupations require no formal education.

Most New Jobs by Major Occupational Group, 2022 to 2032



Most New Jobs Projected by Occupation, 2022 to 2032



Occupational Outlook Indicators

Projected growth and employment numbers appear to be precise but should only be used as a general guide to occupational employment trends in a ten-year period. A simpler, user-friendly method is to refer to the symbols that accompany each occupation in the occupational tables.

- ↑ **Very Favorable.** Occupations that combine a growth rate of at least 5.6 percent and at least 23 annual job openings are described as *very favorable*. These occupations are expected to provide the best employment opportunities through 2032.
- ↗ **Favorable.** Occupations that have a low rate of growth combined with a relatively high number of job openings are considered *favorable*. An occupation may also be *favorable* if the growth rate is better than average, but the number of job openings is below average; or the growth rate is average, and the number of job openings is average or better.
- ↘ **Less Favorable.** Occupations considered *less favorable* have better expected opportunities than the least favorable category, either because of a higher growth rate or a larger number of projected job openings.
- ↓ **Not Favorable.** Occupations identified as *not favorable* have a negative rate of growth and few annual openings per year. These occupations are not expected to be significant sources of jobs through 2032.

Entry-Level Education, Work Experience, and Post-Hire Training

For each occupation, the typical education, related work experience, and post-hire training expected of entry-level workers have been identified. The first two categories show the educational attainment and work experience in a related occupation expected before an individual is employed. The last category refers to on-the-job training, apprenticeship, internship, or residency typically conducted after the individual has started working.

Educational Attainment

These categories indicate the typical level of education most workers need for an entry-level position in the occupation:

- Doctoral (PhD) or professional degree (i.e., MD, DD, JD, DC)
- Master's degree (i.e., MA, MS, MEd)
- Bachelor's degree (i.e., BS, BA, BFA)
- Associate's degree (i.e., AS, AA)
- Postsecondary non-degree award (program completion, i.e., CNA, cosmetologist)
- Some college, no degree
- High school diploma or equivalent (GED)
- No formal educational credential.

Work Experience

Some occupations require work experience in a related occupation as an entry-level qualification. Frequently, these occupations are managerial or supervisory positions, where the worker performs the same job tasks as the workers under their supervision, such as retail supervisors, marketing managers, or construction managers. Non-supervisory workers may also have an experience requirement, such as restaurant cooks or industrial truck and tractor operators. Work experience categories range from *none*, *less than five years*, or *five years or more*.

Post-Hire Training

This category identifies additional training or preparation typically needed to gain competency in the occupation once the worker is employed. This type of training is occupation-specific, not job-specific, meaning skills can be transferred to another job in the same occupation. The job training categories are:

- Internship or residency
- Apprenticeship
- Long-term on-the-job training (over 12 months)
- Moderate-term on-the-job training (one to 12 months)
- Short-term on-the-job training (one month or less of informal training)
- None

Projections Methodology: Annual Job Openings

Projections Methodology: Annual Job Openings U.S. Bureau of Labor Statistics has developed a methodology for estimating annual job openings that tries to incorporate workforce dynamics of the twenty-first century. This methodology recognizes that an individual may have several career changes throughout the course of their working life.

National separation rates, calculated by the U.S. Bureau of Labor Statistics, are used to estimate separations on a statewide basis, which are the number of workers in New Hampshire projected to leave an occupation to retire, leave the labor force for reasons other than retirement, or to transfer to a different occupation. Separation rates are used to estimate the number of workers who permanently leave an occupation and need to be replaced by a new entrant into that occupation. This is not a measure of turnover, referred to as movement within an occupation. An example of turnover is a cashier leaving one retail establishment to take a job at another establishment.

Labor force exits are defined as workers that leave the workforce entirely to go to school, start a family, or retire, for example. Occupational transfers are defined as workers that leave one occupation to become employed in some other occupation in a different occupational group, due to promotion or simply a job change. Total projected annual job openings are the combination of labor force exits, occupational transfers, and openings created from growth. As a worker departs a position, whether to exit the labor force or to change occupations, a job opening is created.

Job openings are also created from new growth, which is simply the difference between base year employment and projected employment. Growth occurs when there is demand for workers in an occupation, due to increased demand for products and services produced those workers. Growth for an occupation can be negative, such as when fewer workers are needed to achieve the same level of productivity.

The number of job openings projected for a specific occupation is correlated with the number of individuals currently employed in the occupation. Occupations with higher estimated employment usually have many annual job openings, while occupations with fewer workers are expected to have fewer annual job openings.

Some of the advantages of the new methodology are that it makes a distinction between the volume of workers who will be exiting the workforce as the baby boomer generation ages into retirement and workers who change careers and move from one occupation to another. Projected job openings for an occupation should not be viewed as a precise estimate of the number of expected openings but more as a general guide to the magnitude of job openings in comparison to other occupations. In addition, long-term projections for prior periods should not be used as a comparison to determine how occupational demand has changed over time.

INDUSTRY PROJECTIONS

New Hampshire Statewide Long-term Industry Projections, 2022 to 2032		2022 Estimated	2032 Projected	Numeric Change	Percent Change
	Total Employment	719,305	761,332	42,027	5.8%
101000	Goods-Producing Industries	105,965	111,296	5,331	5.0%
11	Agriculture, Forestry, Fishing and Hunting	5,357	6,377	1,020	19.0%
111	Crop Production	3,486	4,354	868	24.9%
112	Animal Production and Aquaculture	1,346	1,514	168	12.5%
113	Forestry and Logging	366	345	-21	-5.7%
114	Fishing ,Hunting, and Trapping	n	n	n	n
115	Agriculture and Forestry Support Activities	n	n	n	n
21	Mining	604	634	30	5.0%
212	Mining (except oil and gas)	457	481	24	5.3%
213	Support Activities for Mining	147	153	6	4.1%
23	Construction	29,986	32,144	2,158	7.2%
236	Construction of Buildings	6,542	6,990	448	6.8%
237	Heavy and Civil Engineering Construction	3,512	3,649	137	3.9%
238	Specialty Trade Contractors	19,932	21,505	1,573	7.9%
31-33	Manufacturing	70,018	72,141	2,123	3.0%
311	Food Manufacturing	2,949	3,150	201	6.8%
312	Beverage and Tobacco Product Manufacturing	1,524	1,820	296	19.4%
313	Textile Mills	1,559	1,421	-138	-8.9%
314	Textile Product Mills	237	249	12	5.1%
315	Apparel Manufacturing	446	468	22	4.9%
316	Leather and Allied Product Manufacturing	180	189	9	5.0%
321	Wood Product Manufacturing	1,648	1,662	14	0.8%
322	Paper Manufacturing	646	567	-79	-12.2%
323	Printing and Related Support Activities	1,966	1,670	-296	-15.1%
324	Petroleum and Coal Products Manufacturing	258	254	-4	-1.6%
325	Chemical Manufacturing	2,666	2,783	117	4.4%
326	Plastics and Rubber Products Manufacturing	5,331	5,596	265	5.0%
327	Nonmetallic Mineral Product Manufacturing	1,892	1,855	-37	-2.0%
331	Primary Metal Manufacturing	2,112	1,984	-128	-6.1%
332	Fabricated Metal Product Manufacturing	11,514	11,873	359	3.1%
333	Machinery Manufacturing	7,733	8,118	385	5.0%
334	Computer and Electronic Product Manufacturing	15,879	16,314	435	2.7%
335	Electrical Equipment, Appliance, and Component Manufacturing	3,952	4,373	421	10.7%
336	Transportation Equipment Manufacturing	2,182	2,291	109	5.0%
337	Furniture and Related Product Manufacturing	825	760	-65	-7.9%
339	Miscellaneous Manufacturing	4,519	4,744	225	5.0%
102000	Service-Providing Industries	574,508	609,327	34,819	6.1%
22	Utilities	2,051	2,153	102	5.0%

n = Employment data do not meet disclosure standards

INDUSTRY PROJECTIONS

New Hampshire Statewide Long-term Industry Projections, 2022 to 2032		2022 Estimated	2032 Projected	Numeric Change	Percent Change
221	Utilities	2,051	2,153	102	5.0%
42	Wholesale Trade	31,124	33,580	2,456	7.9%
44-45	Retail Trade	88,690	87,139	-1,551	-1.7%
441	Motor Vehicle and Parts Dealers	11,872	12,199	327	2.8%
444	Building Material and Garden Equipment and Supplies Dealers	10,322	10,510	188	1.8%
445	Food and Beverage Retailers	20,321	19,985	-336	-1.7%
449	Furniture, Home Furnishings, Electronics, and Appliance Retailers	5,866	5,720	-146	-2.5%
455	General Merchandise Retailers	14,459	14,281	-178	-1.2%
456	Health and Personal Care Retailers	4,863	4,626	-237	-4.9%
457	Gasoline Stations and Fuel Dealers	6,476	5,935	-541	-8.4%
458	Clothing , Clothing Accessories, and Jewelry Retailers	4,972	4,790	-182	-3.7%
459	Sporting Goods, Hobby, Musical Instrument, Book, and Miscellaneous Retailers	9,539	9,093	-446	-4.7%
48-49	Transportation and Warehousing	19,412	20,885	1,473	7.6%
481	Air Transportation	495	515	20	4.0%
482	Rail Transportation	n	n	n	n
483	Water Transportation	n	n	n	n
484	Truck Transportation	3,091	3,156	65	2.1%
485	Transit and Ground Passenger Transport	2,896	3,125	229	7.9%
486	Pipeline Transportation	n	n	n	n
487	Scenic and Sightseeing Transportation	318	329	11	3.5%
488	Support Activities for Transportation	1,531	1,608	77	5.0%
4911	Postal Service, Federal Government	3,332	3,283	-49	-1.5%
492	Couriers and Messengers	4,330	5,107	777	17.9%
493	Warehousing and Storage	3,328	3,670	342	10.3%
51	Information	11,900	12,492	592	5.0%
512	Motion Picture and Sound Recording Industries	883	952	69	7.8%
513	Publishing Industries	5,290	5,634	344	6.5%
516	Broadcasting and Content Providers	634	612	-22	-3.5%
517	Telecommunications	3,272	3,206	-66	-2.0%
518	Computing Infrastructure Providers, Data Processing, Web Hosting, and Related Services	1,591	1,808	217	13.6%
519	Web Search Portals, Libraries, Archives, and Other Information Services	230	280	50	21.7%
52	Finance and Insurance	28,106	30,054	1,948	6.9%
522	Credit Intermediation and Related Activities	8,256	8,737	481	5.8%
523	Financial Investment and Related Activities	7,220	7,750	530	7.3%
524	Insurance Carriers and Related Activities	12,568	13,494	926	7.4%
525	Funds, Trusts, and Other Financial Vehicles	62	73	11	17.7%
53	Real Estate and Rental and Leasing	7,002	7,451	449	6.4%
531	Real Estate	5,020	5,416	396	7.9%

n = Employment data do not meet disclosure standards

INDUSTRY PROJECTIONS

New Hampshire Statewide Long-term Industry Projections, 2022 to 2032		2022 Estimated	2032 Projected	Numeric Change	Percent Change
532	Rental and Leasing Services	1,958	2,009	51	2.6%
533	Lessors of Non-financial Intangible Assets	24	26	2	8.3%
54	Professional, Scientific, and Technical Services	46,653	53,569	6,916	14.8%
541	Professional, Scientific, and Technical Services	46,653	53,569	6,916	14.8%
5411	Legal Services	3,941	4,035	94	2.4%
5412	Accounting, Tax Prep., Bookkeeping, and Payroll Services	4,644	4,740	96	2.1%
5413	Architectural, Engineering, and Related Services	8,395	9,779	1,384	16.5%
5414	Specialized Design Services	529	629	100	18.9%
5415	Computer Systems Design and Related Services	15,022	18,266	3,244	21.6%
5416	Management, Scientific, and Technical Consulting Services	6,194	7,001	807	13.0%
5417	Scientific Research and Development Services	2,584	3,203	619	24.0%
5418	Advertising and Related Services	1,571	1,649	78	5.0%
5419	Other Professional, Scientific, and Technical Services	3,773	4,267	494	13.1%
55	Management of Companies and Enterprises	10,796	12,072	1,276	11.8%
56	Administrative and Support and Waste Management Services	38,138	41,825	3,687	9.7%
561	Administrative and Support Services	36,080	39,605	3,525	9.8%
5611	Office Administrative Services	5,548	6,296	748	13.5%
5612	Facilities Support Services	109	70	-39	-35.8%
5613	Employment Services	13,126	14,602	1,476	11.2%
5614	Business Support Services	2,868	2,927	59	2.1%
5615	Travel Arrangement and Reservation	681	666	-15	-2.2%
5616	Investigation and Security	2,141	2,279	138	6.4%
5617	Services to Buildings and Dwellings	10,643	11,674	1,031	9.7%
5619	Other Support Services	964	1,091	127	13.2%
562	Waste Management and Remediation Services	2,058	2,220	162	7.9%
61	Educational Services	61,223	62,129	906	1.5%
611	Educational Services	61,223	62,129	906	1.5%
6111	Elementary and Secondary Schools	39,409	39,190	-219	-0.6%
6112	Junior Colleges	1,185	1,127	-58	-4.9%
6113	Colleges and Universities	16,181	16,835	654	4.0%
6114	Business Schools and Computer and Management Training	434	446	12	2.8%
6115	Technical and Trade Schools	496	500	4	0.8%
6116	Other Schools and Instruction	2,629	3,030	401	15.3%
6117	Educational Support Services	889	1,001	112	12.6%
62	Health Care and Social Assistance	92,336	101,479	9,143	9.9%
621	Ambulatory Health Care Services	35,336	40,427	5,091	14.4%
622	Hospitals	28,814	30,065	1,251	4.3%
623	Nursing and Residential Care Facilities	13,266	13,463	197	1.5%
624	Social Assistance	14,920	17,524	2,604	17.5%

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INDUSTRY PROJECTIONS

New Hampshire Statewide Long-term Industry Projections, 2022 to 2032		2022 Estimated	2032 Projected	Numeric Change	Percent Change
71	Arts, Entertainment, and Recreation	12,652	13,683	1,031	8.1%
711	Performing Arts, Spectator Sports, and Related Industries	1,443	1,523	80	5.5%
712	Museums, Historical Sites, and Similar Institutions	555	604	49	8.8%
713	Amusements, Gambling, and Recreation	10,654	11,556	902	8.5%
72	Accommodation and Food Services	57,761	62,632	4,871	8.4%
721	Accommodation	8,240	9,203	963	11.7%
722	Food Services and Drinking Places	49,521	53,429	3,908	7.9%
81	Other Services (Except Government)	27,492	28,256	764	2.8%
811	Repair and Maintenance	7,161	7,360	199	2.8%
812	Personal and Laundry	6,854	7,448	594	8.7%
813	Religious, Grantmaking, Civic, Professional, and Similar Org.	10,035	10,006	-29	-0.3%
814	Private Households	3,442	3,442	0	0.0%
	Government	39,172	39,928	756	1.9%
	Federal Government, excluding Postal Service	5,137	4,953	-184	-3.6%
	State Government, excluding Education and Hospitals ^{1,2}	11,946	11,599	-347	-2.9%
	Local Government, excluding Education ¹	22,089	23,376	1,287	5.8%
	Self-employed Workers	38,832	40,709	1,877	4.8%

1 Employment for public schools and colleges is included in sector 61, *Educational Services*

2 Employment at the State Hospital is included in subsector 622, *Hospitals*

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
	Total, All Occupations	719,305	761,332	42,027	5.8%		35,448	44,722	84,373	
11-0000	Management Occupations	54,270	59,419	5,149	9.5%		1,711	2,631	4,857	
11-1011	Chief Executives	810	768	-42	-5.2%	↗	24	27	47	Bachelor's 5+ yrs none
11-1021	General and Operations Managers	17,324	18,581	1,257	7.3%	↑	447	964	1,537	Bachelor's 5+ yrs none
11-1031	Legislators	203	219	16	7.9%	↘	6	9	17	Bachelor's < 5 yrs none
11-2011	Advertising and Promotions Managers	135	137	2	1.5%	↘	3	9	12	Bachelor's < 5 yrs none
11-2021	Marketing Managers	1,265	1,360	95	7.5%	↑	31	71	112	Bachelor's 5+ yrs none
11-2022	Sales Managers	1,963	2,117	154	7.8%	↑	50	98	163	Bachelor's < 5 yrs none
11-2032	Public Relations Managers	276	296	20	7.2%	↘	6	13	21	Bachelor's 5+ yrs none
11-2033	Fundraising Managers	245	258	13	5.3%	↘	6	11	18	Bachelor's 5+ yrs none
11-3012	Administrative Services Managers	654	704	50	7.6%	↑	24	28	57	Bachelor's < 5 yrs none
11-3013	Facilities Managers	608	647	39	6.4%	↑	20	27	51	Bachelor's < 5 yrs none
11-3021	Computer and Information Systems Managers	3,537	4,173	636	18.0%	↑	75	171	310	Bachelor's 5+ yrs none
11-3031	Financial Managers	4,338	5,193	855	19.7%	↑	123	194	403	Bachelor's 5+ yrs none
11-3051	Industrial Production Managers	1,127	1,185	58	5.1%	↗	28	49	83	Bachelor's 5+ yrs none
11-3061	Purchasing Managers	488	523	35	7.2%	↑	14	22	40	Bachelor's 5+ yrs none
11-3071	Transportation, Storage, and Distribution Managers	434	464	30	6.9%	↑	13	22	38	High School 5+ yrs none
11-3111	Compensation and Benefits Managers	100	104	4	4.0%	↘	2	4	6	Bachelor's 5+ yrs none
11-3121	Human Resources Managers	807	877	70	8.7%	↑	24	38	69	Bachelor's 5+ yrs none
11-3131	Training and Development Managers	242	263	21	8.7%	↘	6	13	21	Bachelor's 5+ yrs none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
11-9013	Farmers, Ranchers, and Other Agricultural Managers	4,912	5,043	131	2.7%	↗	348	166	527	High School 5+ yrs none
11-9021	Construction Managers	1,294	1,425	131	10.1%	↑	34	62	109	Bachelor's none Moderate OJT
11-9031	Education and Childcare Administrators, Preschool and Daycare	541	545	4	0.7%	↗	15	21	36	Bachelor's < 5 yrs none
11-9032	Education Administrators, Kindergarten through Secondary	1,413	1,426	13	0.9%	↗	39	54	94	Master's 5+ yrs none
11-9033	Education Administrators, Postsecondary	832	862	30	3.6%	↗	23	32	58	Master's < 5 yrs none
11-9039	Education Administrators, All Other	210	230	20	9.5%	↘	6	8	16	Bachelor's < 5 yrs none
11-9041	Architectural and Engineering Managers	1,629	1,763	134	8.2%	↑	34	72	119	Bachelor's 5+ yrs none
11-9051	Food Service Managers	1,382	1,466	84	6.1%	↑	52	105	165	High School < 5 yrs Short OJT
11-9071	Gambling Managers	n	n	n	n	↘	n	n	n	High School < 5 yrs none
11-9072	Entertainment And Recreation Managers, Except Gambling	59	67	8	13.6%	↗	3	4	8	Bachelor's < 5 yrs none
11-9081	Lodging Managers	246	282	36	14.6%	↑	10	15	29	High School < 5 yrs none
11-9111	Medical and Health Services Managers	n	n	n	n	↑	n	n	n	Bachelor's < 5 yrs none
11-9121	Natural Sciences Managers	213	234	21	9.9%	↗	5	10	17	Bachelor's 5+ yrs none
11-9131	Postmasters and Mail Superintendents	152	151	-1	-0.7%	↓	5	6	11	High School < 5 yrs Moderate OJT
11-9141	Property, Real Estate, and Community Association Managers	1,254	1,366	112	8.9%	↑	55	44	110	High School < 5 yrs Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
11-9151	Social and Community Service Managers	1,070	1,219	149	13.9%	↑	37	51	103	Bachelor's < 5 yrs none
11-9161	Emergency Management Directors	69	72	3	4.3%	↘	2	3	5	Bachelor's 5+ yrs none
11-9171	Funeral Home Managers	75	78	3	4.0%	↘	2	3	5	Associate's < 5 yrs none
11-9179	Personal Service Managers, All Other	18	18	0	0.0%	↓	-	1	1	High School < 5 yrs none
11-9199	Managers, All Other	1,652	1,763	111	6.7%	↑	52	71	134	Bachelor's < 5 yrs none
13-0000	Business and Financial Operations Occupations	45,862	50,094	4,232	9.2%		1,476	2,287	4,186	
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	43	48	5	11.6%	↗	2	2	4	Bachelor's < 5 yrs none
13-1020	Buyers and Purchasing Agents	2,763	2,657	-106	-3.8%	↗	100	143	232	Bachelor's none Moderate OJT
13-1031	Claims Adjusters, Examiners, and Investigators	783	774	-9	-1.1%	↗	20	32	51	High School none Long OJT
13-1032	Insurance Appraisers, Auto Damage	77	77	0	0.0%	↓	2	3	5	Postsecondary none Moderate OJT
13-1041	Compliance Officers	1,346	1,405	59	4.4%	↗	48	57	111	Bachelor's none Moderate OJT
13-1051	Cost Estimators	988	1,007	19	1.9%	↗	32	49	83	Bachelor's none Moderate OJT
13-1071	Human Resources Specialists	4,588	5,153	565	12.3%	↑	146	253	455	Bachelor's none none
13-1075	Labor Relations Specialists	156	155	-1	-0.6%	↓	5	8	13	Bachelor's < 5 yrs none
13-1081	Logisticians	797	966	169	21.2%	↑	24	46	87	Bachelor's none none
13-1082	Project Management Specialists	3,746	4,165	419	11.2%	↑	90	182	314	Bachelor's none none
13-1111	Management Analysts	4,638	5,210	572	12.3%	↑	170	227	454	Bachelor's < 5 yrs none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
13-1121	Meeting, Convention, and Event Planners	446	487	41	9.2%	↑	19	29	52	Bachelor's none none
13-1131	Fundraisers	797	850	53	6.6%	↑	25	35	65	Bachelor's none none
13-1141	Compensation, Benefits, and Job Analysis Specialists	n	n	n	n	↑	n	n	n	Bachelor's < 5 yrs none
13-1151	Training and Development Specialists	2,125	2,337	212	10.0%	↑	68	117	206	Bachelor's < 5 yrs none
13-1161	Market Research Analysts and Marketing Specialists	4,365	5,083	718	16.4%	↑	148	275	495	Bachelor's none none
13-1199	Business Operations Specialists, All Other	2,675	2,777	102	3.8%	↗	91	141	242	Bachelor's none none
13-2011	Accountants and Auditors	7,866	8,516	650	8.3%	↑	253	371	689	Bachelor's none none
13-2020	Property Appraisers and Assessors	370	400	30	8.1%	↑	19	13	35	Bachelor's none Long OJT
13-2031	Budget Analysts	67	71	4	6.0%	↘	2	2	4	Bachelor's none none
13-2041	Credit Analysts	314	321	7	2.2%	↗	7	15	23	Bachelor's none none
13-2051	Financial and Investment Analysts	916	1,006	90	9.8%	↑	21	39	69	Bachelor's none none
13-2052	Personal Financial Advisors	2,150	2,508	358	16.7%	↑	63	80	179	Bachelor's none Long OJT
13-2053	Insurance Underwriters	412	411	-1	-0.2%	↗	12	16	28	Bachelor's none Moderate OJT
13-2054	Financial Risk Specialists	n	n	n	n	↗	n	n	n	Bachelor's none none
13-2061	Financial Examiners	153	159	6	3.9%	↘	5	6	12	Bachelor's none Long OJT
13-2071	Credit Counselors	476	505	29	6.1%	↑	13	20	36	Bachelor's none Moderate OJT
13-2072	Loan Officers	1,157	1,266	109	9.4%	↑	32	49	92	Bachelor's < 5 yr Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
13-2081	Tax Examiners and Collectors, and Revenue Agents	323	339	16	5.0%	↗	12	13	27	Bachelor's none Moderate OJT
13-2082	Tax Preparers	409	427	18	4.4%	↗	23	23	48	High School none Moderate OJT
13-2099	Financial Specialists, All Other	274	297	23	8.4%	↘	7	12	21	Bachelor's none none
15-0000	Computer and Mathematical Occupations	24,599	29,041	4,442	18.1%		572	979	1,995	
15-1211	Computer Systems Analysts	2,668	2,995	327	12.3%	↑	71	94	198	Bachelor's none none
15-1212	Information Security Analysts	678	931	253	37.3%	↑	18	30	73	Bachelor's < 5 yrs none
15-1221	Computer and Information Research Scientists	53	66	13	24.5%	↗	2	2	5	Master's none none
15-1231	Computer Network Support Specialists	927	1,035	108	11.7%	↑	24	40	75	Associate's none Moderate OJT
15-1232	Computer User Support Specialists	3,824	4,098	274	7.2%	↑	97	163	287	Some College none Moderate OJT
15-1241	Computer Network Architects	630	666	36	5.7%	↑	12	22	38	Bachelor's 5+ yrs none
15-1242	Database Administrators	302	327	25	8.3%	↘	8	10	20	Bachelor's none none
15-1243	Database Architects	293	331	38	13.0%	↗	8	10	22	Bachelor's < 5 yrs none
15-1244	Network and Computer Systems Administrators	2,184	2,297	113	5.2%	↗	46	78	135	Bachelor's none none
15-1251	Computer Programmers	407	371	-36	-8.8%	↓	10	14	20	Bachelor's none none
15-1252	Software Developers	8,524	10,878	2,354	27.6%	↑	166	347	748	Bachelor's none none
15-1253	Software Quality Assurance Analysts and Testers	1,035	1,292	257	24.8%	↑	29	42	97	Bachelor's none none
15-1254	Web Developers	571	685	114	20.0%	↑	12	26	49	Bachelor's none none
15-1255	Web and Digital Interface Designers	351	409	58	16.5%	↑	11	16	33	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
15-1299	Computer Occupations, All Other	924	1,023	99	10.7%	↑	24	37	71	Bachelor's none none
15-2011	Actuaries	32	40	8	25.0%	↗	1	1	3	Bachelor's none Long OJT
15-2021	Mathematicians	n	n	n	n	↘	n	n	n	Master's none none
15-2031	Operations Research Analysts	470	588	118	25.1%	↑	15	16	43	Bachelor's none none
15-2041	Statisticians	60	80	20	33.3%	↗	2	2	6	Master's none none
15-2051	Data Scientists	638	899	261	40.9%	↑	18	28	72	Bachelor's none none
15-2099	Mathematical Science Occupations, All Other	n	n	n	n	↘	n	n	n	Bachelor's none none
17-0000	Architecture and Engineering Occupations	14,504	16,107	1,603	11.1%		429	566	1,155	
17-1011	Architects, Except Landscape and Naval	392	451	59	15.1%	↑	12	13	31	Bachelor's none Intern/ Residency
17-1012	Landscape Architects	51	55	4	7.8%	↘	2	2	4	Bachelor's none Intern/ Residency
17-1021	Cartographers and Photogrammetrists	148	166	18	12.2%	↗	5	5	12	Bachelor's none none
17-1022	Surveyors	167	190	23	13.8%	↗	6	6	14	Bachelor's none Intern/ Residency
17-2011	Aerospace Engineers	26	30	4	15.4%	↗	1	1	2	Bachelor's none none
17-2031	Bioengineers and Biomedical Engineers	n	n	n	n	↗	n	n	n	Bachelor's none none
17-2041	Chemical Engineers	88	101	13	14.8%	↗	2	3	6	Bachelor's none none
17-2051	Civil Engineers	1,740	1,982	242	13.9%	↑	40	69	133	Bachelor's none none
17-2061	Computer Hardware Engineers	263	288	25	9.5%	↘	5	9	16	Bachelor's none none
17-2071	Electrical Engineers	2,050	2,213	163	8.0%	↑	49	63	128	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
17-2072	Electronics Engineers, Except Computer	406	434	28	6.9%	↑	10	12	25	Bachelor's none none
17-2081	Environmental Engineers	202	233	31	15.3%	↗	7	7	17	Bachelor's none none
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	41	45	4	9.8%	↗	1	1	2	Bachelor's none none
17-2112	Industrial Engineers	1,835	2,126	291	15.9%	↑	48	60	137	Bachelor's none none
17-2131	Materials Engineers	58	62	4	6.9%	↘	2	2	4	Bachelor's none none
17-2141	Mechanical Engineers	2,429	2,843	414	17.0%	↑	58	84	183	Bachelor's none none
17-2161	Nuclear Engineers	n	n	n	n	↘	n	n	n	Bachelor's none none
17-2199	Engineers, All Other	746	818	72	9.7%	↑	19	26	52	Bachelor's none none
17-3011	Architectural and Civil Drafters	579	627	48	8.3%	↑	25	31	61	Associate's none none
17-3012	Electrical and Electronics Drafters	83	88	5	6.0%	↘	3	4	7	Associate's none none
17-3013	Mechanical Drafters	148	143	-5	-3.4%	↓	5	7	12	Associate's none none
17-3019	Drafters, All Other	16	16	0	0.0%	↓	1	1	2	Associate's none none
17-3022	Civil Engineering Technologists and Technicians	136	149	13	9.6%	↘	5	7	13	Associate's none none
17-3023	Electrical and Electronics Engineering Technologists and Technicians	853	852	-1	-0.1%	↗	43	38	81	Associate's none none
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	n	n	n	n	↘	n	n	n	Associate's none none
17-3025	Environmental Engineering Technologists and Technicians	48	51	3	6.3%	↘	2	3	5	Associate's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
17-3026	Industrial Engineering Technologists and Technicians	530	573	43	8.1%	↑	21	28	53	Associate's none none
17-3027	Mechanical Engineering Technologists and Technicians	495	517	22	4.4%	↗	19	26	47	Associate's none none
17-3028	Calibration Technologists and Technicians	112	126	14	12.5%	↗	4	6	11	Associate's none none
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	405	421	16	4.0%	↗	16	21	39	Associate's none none
17-3031	Surveying and Mapping Technicians	304	344	40	13.2%	↑	14	24	42	High School none Moderate OJT
19-0000	Life, Physical, and Social Science Occupations	5,880	6,439	559	9.5%		127	396	579	
19-1012	Food Scientists and Technologists	51	55	4	7.8%	↘	1	3	4	Bachelor's none none
19-1013	Soil and Plant Scientists	15	15	0	0.0%	↓	-	1	1	Bachelor's none none
19-1021	Biochemists and Biophysicists	n	n	n	n	↗	n	n	n	Doctorate/Prof none none
19-1022	Microbiologists	218	247	29	13.3%	↗	4	13	20	Bachelor's none none
19-1023	Zoologists and Wildlife Biologists	95	97	2	2.1%	↘	2	5	7	Bachelor's none none
19-1029	Biological Scientists, All Other	134	141	7	5.2%	↘	2	8	11	Bachelor's none none
19-1031	Conservation Scientists	145	162	17	11.7%	↗	3	9	14	Bachelor's none none
19-1032	Foresters	104	108	4	3.8%	↘	2	6	8	Bachelor's none none
19-1041	Epidemiologists	22	27	5	22.7%	↗	-	1	1	Master's none none
19-1042	Medical Scientists, Except Epidemiologists	330	374	44	13.3%	↗	4	14	22	Doctorate/Prof none none
19-2012	Physicists	110	118	8	7.3%	↘	3	4	8	Doctorate/Prof none none
19-2021	Atmospheric and Space Scientists	83	89	6	7.2%	↘	1	6	8	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
19-2031	Chemists	209	232	23	11.0%	↗	3	12	17	Bachelor's none none
19-2032	Materials Scientists	150	156	6	4.0%	↘	2	8	11	Bachelor's none none
19-2041	Environmental Scientists and Specialists, Including Health	527	576	49	9.3%	↑	9	34	48	Bachelor's none none
19-2042	Geoscientists, Except Hydrologists and Geographers	96	110	14	14.6%	↗	1	6	8	Bachelor's none none
19-2043	Hydrologists	57	58	1	1.8%	↘	1	4	5	Bachelor's none none
19-2099	Physical Scientists, All Other	n	n	n	n	↘	n	n	n	Bachelor's none none
19-3011	Economists	n	n	n	n	↗	n	n	n	Master's none none
19-3032	Industrial-Organizational Psychologists	n	n	n	n	↘	n	n	n	Master's none Intern/ Residency
19-3033	Clinical and Counseling Psychologists	203	236	33	16.3%	↗	5	6	14	Doctorate/Prof none Intern/ Residency
19-3034	School Psychologists	273	276	3	1.1%	↘	5	13	18	Master's none Intern/ Residency
19-3039	Psychologists, All Other	145	158	13	9.0%	↘	4	5	10	Master's none Intern/ Residency
19-3051	Urban and Regional Planners	300	323	23	7.7%	↑	7	17	26	Master's none none
19-3091	Anthropologists and Archeologists	32	35	3	9.4%	↘	1	2	3	Master's none none
19-3093	Historians	n	n	n	n	↓	n	n	n	Master's none none
19-3094	Political Scientists	41	46	5	12.2%	↗	1	3	4	Master's none none
19-3099	Social Scientists and Related Workers, All Other	124	127	3	2.4%	↘	2	8	10	Bachelor's none none
19-4013	Food Science Technicians	n	n	n	n	↑	n	n	n	Associate's none Moderate OJT
19-4021	Biological Technicians	377	418	41	10.9%	↑	13	36	53	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
19-4031	Chemical Technicians	157	167	10	6.4%	↘	3	15	19	Associate's none Moderate OJT
19-4042	Environmental Science and Protection Technicians, Including Health	183	205	22	12.0%	↗	3	16	21	Associate's none none
19-4043	Geological Technicians, Except Hydrologic Technicians	18	20	2	11.1%	↗	-	2	2	Associate's none Moderate OJT
19-4044	Hydrologic Technicians	19	19	0	0.0%	↓	-	2	2	Associate's none Moderate OJT
19-4051	Nuclear Technicians	n	n	n	n	↘	n	n	n	Associate's none Moderate OJT
19-4061	Social Science Research Assistants	106	115	9	8.5%	↘	3	10	14	Bachelor's none none
19-4071	Forest and Conservation Technicians	119	126	7	5.9%	↘	4	11	16	Associate's none none
19-4092	Forensic Science Technicians	45	50	5	11.1%	↗	1	4	5	Bachelor's none Moderate OJT
19-4099	Life, Physical, and Social Science Technicians, All Other	267	287	20	7.5%	↑	8	26	36	Associate's none none
19-5011	Occupational Health and Safety Specialists	504	601	97	19.2%	↑	16	42	68	Bachelor's none none
19-5012	Occupational Health and Safety Technicians	75	82	7	9.3%	↘	2	6	9	High School none Moderate OJT
21-0000	Community and Social Service Occupations	12,338	13,815	1,477	12.0%		490	621	1,259	
21-1012	Educational, Guidance, and Career Counselors and Advisors	2,309	2,494	185	8.0%	↑	72	97	187	Master's none none
21-1013	Marriage and Family Therapists	285	347	62	21.8%	↑	11	9	26	Master's none Intern/Residency

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
21-1015	Rehabilitation Counselors	256	268	12	4.7%	↘	8	12	21	Master's none none
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	2,297	2,854	557	24.2%	↑	93	119	268	Bachelor's none none
21-1019	Counselors, All Other	131	157	26	19.8%	↗	6	7	16	Master's none none
21-1021	Child, Family, and School Social Workers	924	1,000	76	8.2%	↑	31	42	81	Bachelor's none none
21-1022	Healthcare Social Workers	596	640	44	7.4%	↑	23	29	56	Master's none Intern/ Residency
21-1023	Mental Health and Substance Abuse Social Workers	368	420	52	14.1%	↑	15	12	32	Master's none Intern/ Residency
21-1029	Social Workers, All Other	n	n	n	n	↘	n	n	n	Bachelor's none none
21-1091	Health Education Specialists	n	n	n	n	↗	n	n	n	Bachelor's none none
21-1092	Probation Officers and Correctional Treatment Specialists	228	228	0	0.0%	↓	7	10	17	Bachelor's none Moderate OJT
21-1093	Social and Human Service Assistants	2,117	2,396	279	13.2%	↑	100	129	257	High School none Short OJT
21-1094	Community Health Workers	267	313	46	17.2%	↑	12	17	34	High School none Short OJT
21-1099	Community and Social Service Specialists, All Other	849	958	109	12.8%	↑	36	53	100	Bachelor's none none
21-2011	Clergy	760	766	6	0.8%	↗	30	32	63	Bachelor's none Moderate OJT
21-2021	Directors, Religious Activities and Education	430	431	1	0.2%	↗	18	23	41	Bachelor's < 5 yrs none
21-2099	Religious Workers, All Other	241	243	2	0.8%	↗	17	15	32	Bachelor's none none
23-0000	Legal Occupations	3,946	4,263	317	8.0%		117	134	283	
23-1011	Lawyers	2,080	2,304	224	10.8%	↑	51	33	106	Doctorate/Prof none none
23-1012	Judicial Law Clerks	n	n	n	n	↘	n	n	n	Doctorate/Prof none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	162	162	0	0.0%	↓	4	2	6	Doctorate/Prof 5+ yrs Short OJT
23-1022	Arbitrators, Mediators, and Conciliators	n	n	n	n	↘	n	n	n	Bachelor's < 5 yr Moderate OJT
23-1023	Judges, Magistrate Judges, and Magistrates	81	81	0	0.0%	↓	2	1	3	Doctorate/Prof 5+ yrs Short OJT
23-2011	Paralegals and Legal Assistants	1,340	1,432	92	6.9%	↑	52	88	149	Associate's none none
23-2091	Court Reporters	73	76	3	4.1%	↘	-	-	-	Postsecondary none Short OJT
23-2093	Title Examiners, Abstractors, and Searchers	71	69	-2	-2.8%	↓	3	4	7	High School none Moderate OJT
23-2099	Legal Support Workers, All Other	95	93	-2	-2.1%	↓	4	6	10	Associate's none none
25-0000	Education, Training, and Library Occupations	42,372	43,533	1,161	2.7%		1,948	1,900	3,964	
25-1011	Business Teachers, Postsecondary	411	441	30	7.3%	↑	19	14	36	Doctorate/Prof none none
25-1021	Computer Science Teachers, Postsecondary	122	127	5	4.1%	↘	6	4	10	Doctorate/Prof none none
25-1022	Mathematical Science Teachers, Postsecondary	189	195	6	3.2%	↘	8	6	15	Doctorate/Prof none none
25-1031	Architecture Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1032	Engineering Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1041	Agricultural Sciences Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1042	Biological Science Teachers, Postsecondary	226	246	20	8.8%	↘	10	8	20	Doctorate/Prof none none
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none

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SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
25-1052	Chemistry Teachers, Postsecondary	68	71	3	4.4%	↘	3	2	5	Doctorate/Prof none none
25-1053	Environmental Science Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1054	Physics Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1061	Anthropology and Archeology Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1063	Economics Teachers, Postsecondary	103	108	5	4.9%	↘	5	4	9	Doctorate/Prof none none
25-1064	Geography Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1065	Political Science Teachers, Postsecondary	94	98	4	4.3%	↘	4	3	7	Doctorate/Prof none none
25-1066	Psychology Teachers, Postsecondary	151	160	9	6.0%	↘	7	5	13	Doctorate/Prof none none
25-1067	Sociology Teachers, Postsecondary	87	91	4	4.6%	↘	4	3	7	Doctorate/Prof none none
25-1069	Social Sciences Teachers, Postsecondary, All Other	31	31	0	0.0%	↓	1	1	2	Doctorate/Prof none none
25-1071	Health Specialties Teachers, Postsecondary	345	408	63	18.3%	↑	17	13	36	Doctorate/Prof < 5 yrs none
25-1072	Nursing Instructors and Teachers, Postsecondary	489	577	88	18.0%	↑	24	18	51	Master's < 5 yrs none
25-1081	Education Teachers, Postsecondary	230	237	7	3.0%	↘	10	8	19	Doctorate/Prof < 5 yrs none
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	56	58	2	3.6%	↘	2	2	4	Doctorate/Prof none none
25-1112	Law Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof < 5 yrs none
25-1113	Social Work Teachers, Postsecondary	71	74	3	4.2%	↘	3	2	5	Doctorate/Prof none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
25-1121	Art, Drama, and Music Teachers, Postsecondary	431	445	14	3.2%	↗	19	15	35	Master's none none
25-1122	Communications Teachers, Postsecondary	53	55	2	3.8%	↘	2	2	4	Doctorate/Prof none none
25-1123	English Language and Literature Teachers, Postsecondary	247	249	2	0.8%	↓	11	8	19	Doctorate/Prof none none
25-1124	Foreign Language and Literature Teachers, Postsecondary	142	144	2	1.4%	↘	6	5	11	Doctorate/Prof none none
25-1125	History Teachers, Postsecondary	118	120	2	1.7%	↘	5	4	9	Doctorate/Prof none none
25-1126	Philosophy and Religion Teachers, Postsecondary	227	233	6	2.6%	↘	10	8	19	Doctorate/Prof none none
25-1192	Family and Consumer Sciences Teachers, Postsecondary	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	64	67	3	4.7%	↘	3	2	5	Doctorate/Prof none none
25-1194	Career/Technical Education Teachers, Postsecondary	285	274	-11	-3.9%	↓	12	9	20	Bachelor's < 5 yrs none
25-1199	Postsecondary Teachers, All Other	133	136	3	2.3%	↘	6	4	10	Doctorate/Prof none none
25-2011	Preschool Teachers, Except Special Education	3,324	3,578	254	7.6%	↑	158	204	387	Associate's none none
25-2012	Kindergarten Teachers, Except Special Education	632	634	2	0.3%	↗	29	37	66	Bachelor's none none
25-2021	Elementary School Teachers, Except Special Education	5,948	5,980	32	0.5%	↗	200	196	399	Bachelor's none none
25-2022	Middle School Teachers, Except Special and Career/ Technical Education	3,461	3,486	25	0.7%	↗	117	114	233	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
25-2023	Career/Technical Education Teachers, Middle School	33	33	0	0.0%	↓	1	1	2	Bachelor's < 5 yrs none
25-2031	Secondary School Teachers, Except Special and Career/ Technical Education	4,905	4,946	41	0.8%	↗	143	159	306	Bachelor's none none
25-2032	Career/Technical Education Teachers, Secondary School	260	266	6	2.3%	↘	8	8	17	Bachelor's < 5 yrs none
25-2051	Special Education Teachers, Preschool	53	54	1	1.9%	↘	2	2	4	Bachelor's none none
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,345	1,343	-2	-0.1%	↗	45	44	89	Bachelor's none none
25-2057	Special Education Teachers, Middle School	581	579	-2	-0.3%	↗	19	19	38	Bachelor's none none
25-2058	Special Education Teachers, Secondary School	600	599	-1	-0.2%	↗	20	20	40	Bachelor's none none
25-2059	Special Education Teachers, All Other	251	267	16	6.4%	↘	9	9	20	Bachelor's none none
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	122	115	-7	-5.7%	↓	7	7	13	Bachelor's none none
25-3021	Self-Enrichment Teachers	2,065	2,295	230	11.1%	↑	136	124	283	High School < 5 yrs none
25-3031	Substitute Teachers, Short-Term	1,294	1,349	55	4.3%	↗	82	75	163	Bachelor's none none
25-3041	Tutors	701	725	24	3.4%	↗	65	56	123	Some College none none
25-3099	Teachers and Instructors, All Other	334	357	23	6.9%	↑	22	20	44	Bachelor's none none
25-4011	Archivists	42	47	5	11.9%	↗	3	2	5	Master's none none
25-4012	Curators	81	94	13	16.0%	↗	5	5	11	Master's none none
25-4013	Museum Technicians and Conservators	39	44	5	12.8%	↗	3	2	5	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
25-4022	Librarians and Media Collections Specialists	1,101	1,162	61	5.5%	↗	62	43	111	Master's none none
25-4031	Library Technicians	400	386	-14	-3.5%	↗	39	26	64	Postsecondary none none
25-9021	Farm and Home Management Educators	119	118	-1	-0.8%	↓	6	5	11	Master's none none
25-9031	Instructional Coordinators	682	711	29	4.3%	↗	32	27	62	Master's 5+ yrs none
25-9044	Teaching Assistants, Postsecondary	134	141	7	5.2%	↘	8	8	17	Bachelor's none none
25-9045	Teaching Assistants, Except Postsecondary	8,355	8,392	37	0.4%	↗	477	495	976	Some College none none
25-9099	Educational Instruction and Library Workers, All Other	314	320	6	1.9%	↗	15	12	28	Bachelor's none none
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	10,499	11,184	685	6.5%		454	611	1,133	
27-1011	Art Directors	296	321	25	8.4%	↑	14	15	31	Bachelor's 5+ yrs none
27-1012	Craft Artists	83	87	4	4.8%	↘	4	4	8	none none Long OJT
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	367	393	26	7.1%	↑	17	18	38	Bachelor's none Long OJT
27-1014	Special Effects Artists and Animators	67	74	7	10.4%	↗	3	3	7	Bachelor's none none
27-1019	Artists and Related Workers, All Other	31	32	1	3.2%	↘	1	2	3	none none Long OJT
27-1021	Commercial and Industrial Designers	137	148	11	8.0%	↘	3	6	10	Bachelor's none none
27-1022	Fashion Designers	104	121	17	16.3%	↗	3	7	12	Bachelor's none none
27-1023	Floral Designers	291	239	-52	-17.9%	↗	17	14	26	High School none Moderate OJT
27-1024	Graphic Designers	883	948	65	7.4%	↑	26	47	79	Bachelor's none none
27-1025	Interior Designers	333	376	43	12.9%	↑	15	16	35	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
27-1026	Merchandise Displayers and Window Trimmers	965	1,018	53	5.5%	↗	48	68	121	High School none Short OJT
27-1027	Set and Exhibit Designers	25	26	1	4.0%	↘	1	1	2	Bachelor's none none
27-1029	Designers, All Other	62	66	4	6.5%	↘	2	3	5	Bachelor's none none
27-2011	Actors	199	219	20	10.1%	↑	11	13	26	Some College none Long OJT
27-2012	Producers and Directors	308	333	25	8.1%	↑	9	17	28	Bachelor's < 5 yrs none
27-2022	Coaches and Scouts	942	1,076	134	14.2%	↑	55	70	138	Bachelor's none none
27-2023	Umpires, Referees, and Other Sports Officials	117	134	17	14.5%	↑	16	12	30	High School none Moderate OJT
27-2041	Music Directors and Composers	148	151	3	2.0%	↘	7	7	14	Bachelor's < 5 yrs none
27-2042	Musicians and Singers	338	349	11	3.3%	↗	24	20	45	none none Long OJT
27-2091	Disc Jockeys, Except Radio	48	53	5	10.4%	↗	2	2	4	High School none Short OJT
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	89	105	16	18.0%	↗	5	6	13	none none Short OJT
27-3011	Broadcast Announcers and Radio Disc Jockeys	87	74	-13	-14.9%	↓	4	4	7	Bachelor's none none
27-3023	News Analysts, Reporters, and Journalists	201	193	-8	-4.0%	↓	9	13	21	Bachelor's none none
27-3031	Public Relations Specialists	1,304	1,394	90	6.9%	↑	32	73	114	Bachelor's none none
27-3041	Editors	490	480	-10	-2.0%	↗	22	26	47	Bachelor's < 5 yrs none
27-3042	Technical Writers	192	210	18	9.4%	↘	6	10	18	Bachelor's < 5 yrs Short OJT
27-3043	Writers and Authors	969	1,043	74	7.6%	↑	45	52	104	Bachelor's none Long OJT
27-3091	Interpreters and Translators	243	266	23	9.5%	↑	13	12	27	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
27-4011	Audio and Video Technicians	235	251	16	6.8%	↑	7	14	23	Postsecondary none Short OJT
27-4012	Broadcast Technicians	n	n	n	n	↘	n	n	n	Associate's none Short OJT
27-4014	Sound Engineering Technicians	29	28	-1	-3.4%	↓	1	2	3	Postsecondary none Short OJT
27-4015	Lighting Technicians	n	n	n	n	↘	n	n	n	Postsecondary none Short OJT
27-4021	Photographers	392	418	26	6.6%	↑	15	20	38	High School none Moderate OJT
27-4031	Camera Operators, Television, Video, and Film	79	80	1	1.3%	↘	2	5	7	Bachelor's none none
27-4032	Film and Video Editors	174	196	22	12.6%	↗	5	11	18	Bachelor's none none
27-4099	Media and Communication Equipment Workers, All Other	80	82	2	2.5%	↘	2	5	7	High School none Short OJT
29-0000	Healthcare Practitioners and Technical Occupations	42,492	46,747	4,255	10.0%		1,363	1,059	2,848	
29-1011	Chiropractors	165	184	19	11.5%	↗	5	1	8	Doctorate/Prof none none
29-1021	Dentists, General	564	598	34	6.0%	↘	13	3	19	Doctorate/Prof none none
29-1022	Oral and Maxillofacial Surgeons	19	20	1	5.3%	↘	-	-	-	Doctorate/Prof none Intern/Residency
29-1023	Orthodontists	32	34	2	6.3%	↘	1	-	1	Doctorate/Prof none Intern/Residency
29-1024	Prosthodontists	n	n	n	n	↗	n	n	n	Doctorate/Prof none Intern/Residency
29-1029	Dentists, All Other Specialists	n	n	n	n	↘	n	n	n	Doctorate/Prof none Intern/Residency
29-1031	Dietitians and Nutritionists	312	338	26	8.3%	↑	12	9	24	Bachelor's none Intern/Residency

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
29-1041	Optometrists	182	201	19	10.4%	↗	4	1	7	Doctorate/Prof none none
29-1051	Pharmacists	1,231	1,255	24	1.9%	↗	29	17	48	Doctorate/Prof none none
29-1071	Physician Assistants	965	1,258	293	30.4%	↑	24	30	83	Master's none none
29-1081	Podiatrists	32	33	1	3.1%	↘	1	-	1	Doctorate/Prof none Intern/ Residency
29-1122	Occupational Therapists	991	1,122	131	13.2%	↑	31	26	70	Master's none none
29-1123	Physical Therapists	1,624	1,905	281	17.3%	↑	41	27	96	Doctorate/Prof none none
29-1124	Radiation Therapists	79	81	2	2.5%	↘	2	1	3	Associate's none none
29-1125	Recreational Therapists	84	88	4	4.8%	↘	3	3	6	Bachelor's none none
29-1126	Respiratory Therapists	395	447	52	13.2%	↑	13	8	26	Associate's none none
29-1127	Speech-Language Pathologists	866	1,034	168	19.4%	↑	26	24	67	Master's none Intern/ Residency
29-1128	Exercise Physiologists	111	125	14	12.6%	↗	4	3	8	Bachelor's none none
29-1129	Therapists, All Other	42	50	8	19.0%	↗	2	1	4	Bachelor's none none
29-1131	Veterinarians	542	651	109	20.1%	↑	14	6	31	Doctorate/Prof none none
29-1141	Registered Nurses	13,685	14,597	912	6.7%	↑	470	291	852	Associate's none none
29-1151	Nurse Anesthetists	567	613	46	8.1%	↑	11	12	28	Master's none none
29-1161	Nurse Midwives	47	52	5	10.6%	↗	1	1	2	Master's none none
29-1171	Nurse Practitioners	1,518	2,288	770	50.7%	↑	42	42	161	Master's none none
29-1181	Audiologists	58	66	8	13.8%	↗	2	1	4	Doctorate/Prof none none
29-1211	Anesthesiologists	281	291	10	3.6%	↘	6	2	9	Doctorate/Prof none Intern/ Residency
29-1212	Cardiologists	199	207	8	4.0%	↘	4	1	6	Doctorate/Prof none Intern/ Residency

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
29-1213	Dermatologists	n	n	n	n	↘	n	n	n	Doctorate/Prof none Intern/ Residency
29-1214	Emergency Medicine Physicians	375	392	17	4.5%	↘	8	2	12	Doctorate/Prof none Intern/ Residency
29-1215	Family Medicine Physicians	682	716	34	5.0%	↘	14	4	21	Doctorate/Prof none Intern/ Residency
29-1216	General Internal Medicine Physicians	153	159	6	3.9%	↘	3	1	5	Doctorate/Prof none Intern/ Residency
29-1217	Neurologists	55	56	1	1.8%	↘	1	-	1	Doctorate/Prof none Intern/ Residency
29-1218	Obstetricians and Gynecologists	125	128	3	2.4%	↘	3	1	4	Doctorate/Prof none Intern/ Residency
29-1221	Pediatricians, General	153	156	3	2.0%	↘	3	1	4	Doctorate/Prof none Intern/ Residency
29-1222	Physicians, Pathologists	135	157	22	16.3%	↗	3	1	6	Doctorate/Prof none Intern/ Residency
29-1223	Psychiatrists	96	103	7	7.3%	↘	2	1	4	Doctorate/Prof none Intern/ Residency
29-1224	Radiologists	n	n	n	n	↘	n	n	n	Doctorate/Prof none Intern/ Residency
29-1229	Physicians, All Other	1,286	1,335	49	3.8%	↗	27	8	40	Doctorate/Prof none Intern/ Residency
29-1241	Ophthalmologists, Except Pediatric	54	57	3	5.6%	↘	1	-	1	Doctorate/Prof none Intern/ Residency
29-1242	Orthopedic Surgeons, Except Pediatric	166	172	6	3.6%	↘	3	1	5	Doctorate/Prof none Intern/ Residency
29-1243	Pediatric Surgeons	19	18	-1	-5.3%	↓	-	-	-	Doctorate/Prof none Intern/ Residency
29-1249	Surgeons, All Other	282	283	1	0.4%	↓	5	2	7	Doctorate/Prof none Intern/ Residency
29-1291	Acupuncturists	n	n	n	n	↗	n	n	n	Master's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
29-1292	Dental Hygienists	1,213	1,317	104	8.6%	↑	54	28	92	Associate's none none
29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	n	n	n	n	↘	n	n	n	Master's none none
29-2010	Clinical Laboratory Technologists and Technicians	570	595	25	4.4%	↗	20	17	39	Bachelor's none none
29-2031	Cardiovascular Technologists and Technicians	252	262	10	4.0%	↘	8	7	16	Associate's none none
29-2032	Diagnostic Medical Sonographers	338	390	52	15.4%	↑	10	8	23	Associate's none none
29-2033	Nuclear Medicine Technologists	66	67	1	1.5%	↘	2	2	4	Associate's none none
29-2034	Radiologic Technologists and Technicians	1,044	1,106	62	5.9%	↑	33	23	62	Associate's none none
29-2035	Magnetic Resonance Imaging Technologists	239	258	19	7.9%	↘	8	6	16	Associate's < 5 yrs none
29-2036	Medical Dosimetrists	16	17	1	6.3%	↘	-	-	-	Bachelor's none none
29-2042	Emergency Medical Technicians	1,086	1,167	81	7.5%	↑	29	49	86	Postsecondary none none
29-2043	Paramedics	412	437	25	6.1%	↘	9	10	21	Postsecondary < 5 yrs none
29-2051	Dietetic Technicians	81	83	2	2.5%	↘	4	4	8	Associate's none none
29-2052	Pharmacy Technicians	2,169	2,276	107	4.9%	↗	87	112	210	High School none Moderate OJT
29-2053	Psychiatric Technicians	145	176	31	21.4%	↗	6	7	16	Postsecondary < 5 yrs Short OJT
29-2055	Surgical Technologists	482	511	29	6.0%	↑	15	14	32	Postsecondary none none
29-2056	Veterinary Technologists and Technicians	940	1,133	193	20.5%	↑	36	58	113	Associate's none none
29-2057	Ophthalmic Medical Technicians	319	363	44	13.8%	↑	18	19	41	Postsecondary none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
29-2061	Licensed Practical and Licensed Vocational Nurses	2,136	2,250	114	5.3%	↗	89	77	177	Postsecondary none none
29-2072	Medical Records Specialists	855	934	79	9.2%	↑	34	26	68	Postsecondary none none
29-2081	Opticians, Dispensing	292	304	12	4.1%	↗	12	12	25	High School none Long OJT
29-2091	Orthotists and Prosthetists	69	87	18	26.1%	↗	3	2	7	Master's none Intern/ Residency
29-2092	Hearing Aid Specialists	15	19	4	26.7%	↗	1	-	1	High School none Moderate OJT
29-2099	Health Technologists and Technicians, All Other	438	464	26	5.9%	↑	16	14	33	Postsecondary none none
29-9021	Health Information Technologists and Medical Registrars	187	218	31	16.6%	↗	7	6	16	Associate's none none
29-9091	Athletic Trainers	191	221	30	15.7%	↗	7	6	16	Master's none none
29-9092	Genetic Counselors	n	n	n	n	↗	n	n	n	Master's none none
29-9093	Surgical Assistants	236	254	18	7.6%	↘	8	7	17	Postsecondary none none
29-9099	Healthcare Practitioners and Technical Workers, All Other	248	267	19	7.7%	↘	8	7	17	Postsecondary none none
31-0000	Healthcare Support Occupations	25,233	28,703	3,470	13.8%		1,785	2,029	4,161	
31-1120	Home Health and Personal Care Aides	8,762	10,784	2,022	23.1%	↑	782	652	1,636	High School none Short OJT
31-1131	Nursing Assistants	7,409	7,751	342	4.6%	↗	480	593	1,107	Postsecondary none none
31-1132	Orderlies	132	137	5	3.8%	↘	8	12	20	High School none Short OJT
31-1133	Psychiatric Aides	290	303	13	4.5%	↗	17	26	44	High School none Short OJT
31-2011	Occupational Therapy Assistants	104	118	14	13.5%	↗	6	10	17	Associate's none none

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OCCUPATIONAL PROJECTIONS

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							Exits ¹	Transfers ²	Total ³	
31-2021	Physical Therapist Assistants	371	479	108	29.1%	↑	20	37	68	Associate's none none
31-2022	Physical Therapist Aides	114	118	4	3.5%	↘	6	10	16	High School none Short OJT
31-9011	Massage Therapists	1,693	1,921	228	13.5%	↑	119	123	265	Postsecondary none none
31-9091	Dental Assistants	1,366	1,480	114	8.3%	↑	79	116	206	Postsecondary none none
31-9092	Medical Assistants	2,721	3,142	421	15.5%	↑	138	236	416	Postsecondary none none
31-9093	Medical Equipment Preparers	394	414	20	5.1%	↗	23	31	56	High School none Moderate OJT
31-9094	Medical Transcriptionists	73	68	-5	-6.8%	↓	4	8	12	Postsecondary none none
31-9095	Pharmacy Aides	71	66	-5	-7.0%	↓	4	8	12	High School none Short OJT
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	463	556	93	20.1%	↑	32	67	108	High School none Short OJT
31-9097	Phlebotomists	696	753	57	8.2%	↑	36	56	98	Postsecondary none none
31-9099	Healthcare Support Workers, All Other	566	605	39	6.9%	↑	33	45	82	High School none none
33-0000	Protective Service Occupations	12,494	13,134	640	5.1%		597	708	1,369	
33-1011	First-Line Supervisors of Correctional Officers	124	123	-1	-0.8%	↓	4	6	10	High School < 5 yrs none
33-1012	First-Line Supervisors of Police and Detectives	667	716	49	7.3%	↑	19	26	50	High School < 5 yrs Moderate OJT
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	395	426	31	7.8%	↑	10	15	28	Postsecondary < 5 yrs Moderate OJT
33-1091	First-line Supervisors of Security Workers	131	130	-1	-0.8%	↓	5	7	12	High School < 5 yrs none
33-1099	First-Line Supervisors of Protective Service Workers, All Other	106	111	5	4.7%	↘	4	6	10	High School < 5 yrs none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
33-2011	Firefighters	2,478	2,673	195	7.9%	↑	67	124	211	Postsecondary none Long OJT
33-2021	Fire Inspectors and Investigators	62	66	4	6.5%	↘	2	3	5	Postsecondary 5+ yrs Moderate OJT
33-2022	Forest Fire Inspectors and Prevention Specialists	n	n	n	n	↗	n	n	n	High School < 5 yrs Moderate OJT
33-3011	Bailiffs	28	29	1	3.6%	↘	3	1	4	High School none Moderate OJT
33-3012	Correctional Officers and Jailers	827	773	-54	-6.5%	↗	28	42	65	High School none Moderate OJT
33-3021	Detectives and Criminal Investigators	425	442	17	4.0%	↗	14	18	34	High School < 5 yrs Moderate OJT
33-3031	Fish and Game Wardens	46	43	-3	-6.5%	↓	2	2	4	Bachelor's none Moderate OJT
33-3041	Parking Enforcement Workers	64	65	1	1.6%	↘	4	3	7	High School none Short OJT
33-3051	Police and Sheriff's Patrol Officers	3,050	3,258	208	6.8%	↑	92	147	260	High School none Moderate OJT
33-9011	Animal Control Workers	41	45	4	9.8%	↗	2	2	4	High School none Moderate OJT
33-9021	Private Detectives and Investigators	226	251	25	11.1%	↑	10	12	24	High School < 5 yrs Moderate OJT
33-9031	Gambling Surveillance Officers and Gambling Investigators	n	n	n	n	↘	n	n	n	High School < 5 yrs Moderate OJT
33-9032	Security Guards	2,742	2,803	61	2.2%	↗	160	206	372	High School none Short OJT
33-9091	Crossing Guards and Flaggers	523	592	69	13.2%	↑	95	29	131	none none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	180	197	17	9.4%	↑	30	25	57	none none Short OJT
33-9093	Transportation Security Screeners	96	91	-5	-5.2%	↓	4	4	8	High School none Short OJT
33-9094	School Bus Monitors	46	49	3	6.5%	↘	7	2	9	High School none Short OJT
33-9099	Protective Service Workers, All Other	198	209	11	5.6%	↗	32	27	60	High School none Short OJT
35-0000	Food Preparation and Serving Related Occupations	55,514	59,653	4,139	7.5%		4,873	5,868	11,155	
35-1011	Chefs and Head Cooks	1,030	1,138	108	10.5%	↑	42	86	139	High School 5+ yrs none
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	4,528	4,991	463	10.2%	↑	240	456	742	High School < 5 yrs none
35-2011	Cooks, Fast Food	1,725	1,594	-131	-7.6%	↗	113	135	235	none none Short OJT
35-2012	Cooks, Institution and Cafeteria	1,753	1,835	82	4.7%	↗	122	146	276	none none Short OJT
35-2013	Cooks, Private Household	124	119	-5	-4.0%	↓	8	10	18	Postsecondary < 5 yrs none
35-2014	Cooks, Restaurant	6,382	8,149	1,767	27.7%	↑	496	592	1,265	none < 5 yrs Moderate OJT
35-2015	Cooks, Short Order	3,403	3,324	-79	-2.3%	↗	229	274	495	none none Short OJT
35-2019	Cooks, All Other	17	17	0	0.0%	↓	1	1	2	none none Moderate OJT
35-2021	Food Preparation Workers	2,705	2,706	1	0.0%	↗	240	241	481	none none Short OJT
35-3011	Bartenders	3,331	3,638	307	9.2%	↑	189	406	626	none none Short OJT
35-3023	Fast Food and Counter Workers	13,650	14,562	912	6.7%	↑	1,558	1,663	3,312	none none Short OJT
35-3031	Waiters and Waitresses	8,546	8,757	211	2.5%	↗	744	1,045	1,810	none none Short OJT
35-3041	Food Servers, Nonrestaurant	1,344	1,391	47	3.5%	↗	112	111	228	none none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,746	1,928	182	10.4%	↑	176	166	360	none none Short OJT
35-9021	Dishwashers	2,461	2,542	81	3.3%	↗	220	210	438	none none Short OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2,507	2,673	166	6.6%	↑	348	302	667	none none Short OJT
35-9099	Food Preparation and Serving Related Workers, All Other	262	289	27	10.3%	↑	34	23	60	none none Short OJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations	26,102	27,857	1,755	6.7%		1,622	1,942	3,740	
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,324	1,437	113	8.5%	↑	72	86	169	High School < 5 yrs none
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	1,412	1,534	122	8.6%	↑	58	91	161	High School < 5 yrs none
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	9,531	9,997	466	4.9%	↗	680	679	1,406	none none Short OJT
37-2012	Maids and Housekeeping Cleaners	4,746	4,901	155	3.3%	↗	359	324	699	none none Short OJT
37-2019	Building Cleaning Workers, All Other	48	50	2	4.2%	↘	3	3	6	none none Short OJT
37-2021	Pest Control Workers	325	364	39	12.0%	↑	11	33	48	High School none Moderate OJT
37-3011	Landscaping and Groundskeeping Workers	7,607	8,365	758	10.0%	↑	397	620	1,093	none none Short OJT
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	318	342	24	7.5%	↑	11	31	44	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
37-3013	Tree Trimmers and Pruners	763	838	75	9.8%	↑	29	72	109	High School none Short OJT
37-3019	Grounds Maintenance Workers, All Other	28	29	1	3.6%	↘	1	3	4	none none Short OJT
39-0000	Personal Care and Service Occupations	19,329	21,225	1,896	9.8%		1,328	2,066	3,584	
39-1013	First-Line Supervisors of Gambling Services Workers	n	n	n	n	↓	n	n	n	High School < 5 yrs none
39-1014	First-line Supervisors of Entertainment And Recreation Workers, Except Gambling Services	713	790	77	10.8%	↑	32	49	89	High School < 5 yrs none
39-1022	First-line Supervisors of Personal Service Workers	837	934	97	11.6%	↑	37	58	105	High School < 5 yrs none
39-2011	Animal Trainers	244	293	49	20.1%	↑	12	25	42	High School none Moderate OJT
39-2021	Animal Caretakers	2,115	2,516	401	19.0%	↑	150	266	456	High School none Short OJT
39-3011	Gambling Dealers	n	n	n	n	↓	n	n	n	High School none Short OJT
39-3012	Gambling and Sports Book Writers and Runners	n	n	n	n	↓	n	n	n	High School none Short OJT
39-3019	Gambling Service Workers, All Other	n	n	n	n	↓	n	n	n	High School none Short OJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	127	132	5	3.9%	↗	18	20	38	none none Short OJT
39-3091	Amusement and Recreation Attendants	1,466	1,560	94	6.4%	↑	169	253	431	none none Short OJT
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	n	n	n	n	↘	n	n	n	High School none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
39-4011	Embalmers	21	22	1	4.8%	↘	1	2	3	Associate's none Long OJT
39-4012	Crematory Operators	21	22	1	4.8%	↘	1	2	3	High School none Short OJT
39-4021	Funeral Attendants	64	66	2	3.1%	↘	3	6	9	High School none Short OJT
39-4031	Morticians, Undertakers, and Funeral Arrangers	96	101	5	5.2%	↘	5	7	12	Associate's none Long OJT
39-5011	Barbers	659	734	75	11.4%	↑	25	49	82	Postsecondary none none
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,788	3,095	307	11.0%	↑	175	221	427	Postsecondary none none
39-5092	Manicurists and Pedicurists	942	1,047	105	11.1%	↑	49	66	125	Postsecondary none none
39-5094	Skincare Specialists	588	655	67	11.4%	↑	31	53	91	Postsecondary none none
39-6011	Baggage Porters and Bellhops	36	40	4	11.1%	↗	2	4	6	High School none Short OJT
39-6012	Concierges	n	n	n	n	↘	n	n	n	High School none Moderate OJT
39-7010	Tour and Travel Guides	332	370	38	11.4%	↑	32	42	78	High School none Moderate OJT
39-9011	Childcare Workers	3,792	3,835	43	1.1%	↗	275	356	635	High School none Short OJT
39-9031	Exercise Trainers and Group Fitness Instructors	2,067	2,435	368	17.8%	↑	137	276	450	High School none Short OJT
39-9032	Recreation Workers	1,744	1,868	124	7.1%	↑	132	236	380	High School none Short OJT
39-9041	Residential Advisors	292	313	21	7.2%	↑	17	35	54	High School none Short OJT
39-9099	Personal Care and Service Workers, All Other	81	102	21	25.9%	↗	7	10	19	High School none Short OJT
41-0000	Sales and Related Occupations	73,828	73,899	71	0.1%		4,312	5,331	9,650	

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
41-1011	First-Line Supervisors of Retail Sales Workers	7,980	7,669	-311	-3.9%	↗	305	462	736	High School < 5 yrs none
41-1012	First-Line Supervisors of Non-Retail Sales Workers	2,756	2,846	90	3.3%	↗	95	131	235	High School < 5 yrs none
41-2011	Cashiers	18,322	16,664	-1,658	-9.0%	↗	1,682	1,695	3,211	none none Short OJT
41-2012	Gambling Change Persons and Booth Cashiers	n	n	n	n	↓	n	n	n	none none Short OJT
41-2021	Counter and Rental Clerks	1,708	1,760	52	3.0%	↗	98	103	206	none none Short OJT
41-2022	Parts Salespersons	1,292	1,350	58	4.5%	↗	64	90	160	none none Moderate OJT
41-2031	Retail Salespersons	19,407	19,475	68	0.4%	↗	1,276	1,539	2,822	none none Short OJT
41-3011	Advertising Sales Agents	409	386	-23	-5.6%	↗	14	28	40	High School none Moderate OJT
41-3021	Insurance Sales Agents	2,885	3,193	308	10.7%	↑	114	126	271	High School none Moderate OJT
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,103	1,249	146	13.2%	↑	33	53	101	Bachelor's none Moderate OJT
41-3041	Travel Agents	339	345	6	1.8%	↗	22	21	44	High School none Moderate OJT
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	5,107	5,544	437	8.6%	↑	136	360	540	High School none Moderate OJT
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	2,435	2,589	154	6.3%	↑	84	137	236	Bachelor's none Moderate OJT
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	7,715	8,385	670	8.7%	↑	268	440	775	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
41-9011	Demonstrators and Product Promoters	74	78	4	5.4%	↘	8	5	13	none none Short OJT
41-9012	Models	n	n	n	n	↗	n	n	n	none none none
41-9021	Real Estate Brokers	74	80	6	8.1%	↘	4	3	8	High School < 5 yrs none
41-9022	Real Estate Sales Agents	694	751	57	8.2%	↑	34	26	66	High School none Moderate OJT
41-9031	Sales Engineers	453	507	54	11.9%	↑	15	28	48	Bachelor's none Moderate OJT
41-9041	Telemarketers	413	338	-75	-18.2%	↗	19	32	43	none none Short OJT
41-9099	Sales and Related Workers, All Other	558	587	29	5.2%	↗	32	43	78	High School none none
43-0000	Office and Administrative Support Occupations	97,250	93,972	-3,278	-3.4%		5,163	5,689	10,524	
43-1011	First-Line Supervisors of Office and Administrative Support Workers	7,675	7,490	-185	-2.4%	↗	317	406	705	High School < 5 yrs none
43-2011	Switchboard Operators, Including Answering Service	249	188	-61	-24.5%	↓	10	12	16	High School none Short OJT
43-2021	Telephone Operators	n	n	n	n	↘	n	n	n	High School none Short OJT
43-3011	Bill and Account Collectors	862	811	-51	-5.9%	↗	41	48	84	High School none Moderate OJT
43-3021	Billing and Posting Clerks	2,109	2,157	48	2.3%	↗	101	117	223	High School none Moderate OJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	8,712	8,496	-216	-2.5%	↗	558	438	974	Some College none Moderate OJT
43-3041	Gambling Cage Workers	n	n	n	n	↓	n	n	n	High School none Short OJT
43-3051	Payroll and Timekeeping Clerks	878	771	-107	-12.2%	↗	40	43	72	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
43-3061	Procurement Clerks	269	267	-2	-0.7%	↗	8	17	25	High School none Moderate OJT
43-3071	Tellers	1,547	1,420	-127	-8.2%	↗	67	84	138	High School none Short OJT
43-3099	Financial Clerks, All Other	69	71	2	2.9%	↘	3	4	7	High School none Short OJT
43-4011	Brokerage Clerks	631	593	-38	-6.0%	↗	32	37	65	High School none Moderate OJT
43-4021	Correspondence Clerks	34	32	-2	-5.9%	↓	2	2	4	High School none Short OJT
43-4031	Court, Municipal, and License Clerks	542	580	38	7.0%	↑	29	27	60	High School none Long OJT
43-4041	Credit Authorizers, Checkers, and Clerks	120	121	1	0.8%	↓	4	6	10	High School none Moderate OJT
43-4051	Customer Service Representatives	13,521	13,074	-447	-3.3%	↗	743	1,043	1,741	High School none Short OJT
43-4061	Eligibility Interviewers, Government Programs	572	586	14	2.4%	↗	23	27	51	High School none Moderate OJT
43-4071	File Clerks	192	169	-23	-12.0%	↓	11	11	20	High School none Short OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	970	1,026	56	5.8%	↑	63	96	165	High School none Short OJT
43-4111	Interviewers, Except Eligibility and Loan	1,085	1,026	-59	-5.4%	↗	55	71	120	High School none Short OJT
43-4121	Library Assistants, Clerical	943	914	-29	-3.1%	↗	92	69	158	High School none Short OJT
43-4131	Loan Interviewers and Clerks	959	1,017	58	6.0%	↑	33	48	87	High School none Short OJT
43-4141	New Accounts Clerks	656	601	-55	-8.4%	↗	20	37	51	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
43-4151	Order Clerks	612	524	-88	-14.4%	↗	27	37	55	Some College none Short OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	537	537	0	0.0%	↗	23	36	59	Associate's none none
43-4171	Receptionists and Information Clerks	4,523	4,580	57	1.3%	↗	288	316	610	High School none Short OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	161	167	6	3.7%	↘	8	10	19	High School none Short OJT
43-4199	Information and Record Clerks, All Other	184	178	-6	-3.3%	↓	9	11	19	High School none Short OJT
43-5011	Cargo and Freight Agents	223	248	25	11.2%	↑	9	14	25	High School none Short OJT
43-5021	Couriers and Messengers	514	539	25	4.9%	↗	25	31	58	High School none Short OJT
43-5031	Public Safety Telecommunicators	645	690	45	7.0%	↑	31	36	71	High School none Moderate OJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	697	701	4	0.6%	↗	28	38	66	High School none Moderate OJT
43-5041	Meter Readers, Utilities	69	65	-4	-5.8%	↓	3	3	6	High School none Short OJT
43-5051	Postal Service Clerks	568	567	-1	-0.2%	↗	28	20	48	none none Short OJT
43-5052	Postal Service Mail Carriers	1,426	1,426	0	0.0%	↗	58	49	107	none none Short OJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	801	760	-41	-5.1%	↗	41	28	65	none none Short OJT
43-5061	Production, Planning, and Expediting Clerks	1,441	1,517	76	5.3%	↗	58	92	158	High School none Moderate OJT
43-5071	Shipping, Receiving, and Inventory Clerks	5,031	4,775	-256	-5.1%	↗	202	292	468	High School none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	223	223	0	0.0%	↗	12	15	27	High School none Short OJT
43-6011	Executive Secretaries and Executive Administrative Assistants	1,303	1,043	-260	-20.0%	↗	53	66	93	High School < 5 yrs none
43-6012	Legal Secretaries and Administrative Assistants	518	416	-102	-19.7%	↗	27	26	43	High School none Moderate OJT
43-6013	Medical Secretaries and Administrative Assistants	3,814	4,097	283	7.4%	↑	210	200	438	High School none Moderate OJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	11,346	10,379	-967	-8.5%	↗	632	572	1,107	High School none Short OJT
43-9021	Data Entry Keyers	1,141	873	-268	-23.5%	↗	50	66	89	High School none Short OJT
43-9022	Word Processors and Typists	30	20	-10	-33.3%	↓	2	1	2	High School none Short OJT
43-9031	Desktop Publishers	33	29	-4	-12.1%	↓	1	2	3	Associate's none Short OJT
43-9041	Insurance Claims and Policy Processing Clerks	1,419	1,392	-27	-1.9%	↗	57	70	124	High School none Moderate OJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	424	388	-36	-8.5%	↗	27	26	49	High School none Short OJT
43-9061	Office Clerks, General	16,199	15,718	-481	-3.0%	↗	964	938	1,854	High School none Short OJT
43-9071	Office Machine Operators, Except Computer	361	328	-33	-9.1%	↗	20	26	43	High School none Short OJT
43-9081	Proofreaders and Copy Markers	66	59	-7	-10.6%	↓	5	4	8	Bachelor's none none
43-9199	Office and Administrative Support Workers, All Other	273	260	-13	-4.8%	↗	11	17	27	High School none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
45-0000	Farming, Fishing, and Forestry Occupations	4,225	4,769	544	12.9%		251	406	711	
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	233	270	37	15.9%	↑	13	20	37	High School < 5 yrs none
45-2021	Animal Breeders	21	25	4	19.0%	↗	1	2	3	High School none Short OJT
45-2041	Graders and Sorters, Agricultural Products	56	66	10	17.9%	↗	3	6	10	none none Short OJT
45-2091	Agricultural Equipment Operators	212	282	70	33.0%	↑	14	22	43	none none Moderate OJT
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,337	2,684	347	14.8%	↑	142	227	404	none none Short OJT
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	943	1,021	78	8.3%	↑	56	89	153	none none Short OJT
45-2099	Agricultural Workers, All Other	21	25	4	19.0%	↗	1	2	3	none none Short OJT
45-4011	Forest and Conservation Workers	24	22	-2	-8.3%	↓	1	3	4	High School none Moderate OJT
45-4021	Fallers	24	22	-2	-8.3%	↓	1	2	3	High School none Moderate OJT
45-4022	Logging Equipment Operators	303	299	-4	-1.3%	↗	15	28	43	High School none Moderate OJT
45-4023	Log Graders and Scalers	35	37	2	5.7%	↘	2	3	5	High School none Moderate OJT
47-0000	Construction and Extraction Occupations	26,962	29,207	2,245	8.3%		971	1,399	2,594	
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	2,817	3,020	203	7.2%	↑	97	133	250	High School 5+ yrs none
47-2011	Boilermakers	n	n	n	n	↓	n	n	n	High School none Apprenticeship

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
47-2021	Brickmasons and Blockmasons	206	219	13	6.3%	↘	8	9	18	High School none Apprenticeship
47-2022	Stonemasons	n	n	n	n	↓	n	n	n	High School none Apprenticeship
47-2031	Carpenters	4,800	5,117	317	6.6%	↑	173	233	438	High School none Apprenticeship
47-2041	Carpet Installers	91	87	-4	-4.4%	↓	3	4	7	none none Short OJT
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	46	52	6	13.0%	↗	2	2	5	none none Moderate OJT
47-2043	Floor Sanders and Finishers	55	59	4	7.3%	↘	2	3	5	none none Moderate OJT
47-2044	Tile and Stone Setters	85	98	13	15.3%	↗	3	4	8	none none Long OJT
47-2051	Cement Masons and Concrete Finishers	387	397	10	2.6%	↗	10	19	30	none none Moderate OJT
47-2061	Construction Laborers	4,046	4,464	418	10.3%	↑	147	215	404	none none Short OJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	234	256	22	9.4%	↘	8	12	22	High School none Moderate OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	1,499	1,613	114	7.6%	↑	52	78	141	High School none Moderate OJT
47-2081	Drywall and Ceiling Tile Installers	389	418	29	7.5%	↑	10	17	30	none none Moderate OJT
47-2082	Tapers	29	30	1	3.4%	↘	1	1	2	none none Moderate OJT
47-2111	Electricians	3,206	3,646	440	13.7%	↑	114	185	343	High School none Apprenticeship
47-2121	Glaziers	158	169	11	7.0%	↘	7	9	17	High School none Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	259	282	23	8.9%	↑	8	13	23	none none Short OJT
47-2132	Insulation Workers, Mechanical	n	n	n	n	↘	n	n	n	High School none Apprenticeship

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
47-2141	Painters, Construction and Maintenance	1,355	1,449	94	6.9%	↑	48	60	117	none none Moderate OJT
47-2142	Paperhangers	n	n	n	n	↘	n	n	n	none none Long OJT
47-2151	Pipelayers	34	33	-1	-2.9%	↓	1	2	3	none none Short OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	2,342	2,542	200	8.5%	↑	77	131	228	High School none Apprenticeship
47-2161	Plasterers and Stucco Masons	n	n	n	n	↘	n	n	n	none none Long OJT
47-2171	Reinforcing Iron and Rebar Workers	n	n	n	n	↘	n	n	n	High School none Apprenticeship
47-2181	Roofers	352	380	28	8.0%	↑	10	18	31	none none Moderate OJT
47-2211	Sheet Metal Workers	794	844	50	6.3%	↑	30	44	79	High School none Apprenticeship
47-2221	Structural Iron and Steel Workers	173	187	14	8.1%	↘	4	11	16	High School none Apprenticeship
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	129	123	-6	-4.7%	↓	4	9	12	none none Short OJT
47-3012	Helpers--Carpenters	123	125	2	1.6%	↘	4	9	13	none none Short OJT
47-3013	Helpers--Electricians	119	122	3	2.5%	↘	4	9	13	High School none Short OJT
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	159	172	13	8.2%	↘	6	12	19	High School none Short OJT
47-3019	Helpers, Construction Trades, All Other	25	26	1	4.0%	↘	1	2	3	none none Short OJT
47-4011	Construction and Building Inspectors	436	449	13	3.0%	↗	29	21	51	High School 5+ yrs Moderate OJT
47-4021	Elevator and Escalator Installers and Repairers	79	84	5	6.3%	↘	2	4	6	High School none Apprenticeship

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
47-4031	Fence Erectors	147	154	7	4.8%	↘	4	8	13	none none Moderate OJT
47-4041	Hazardous Materials Removal Workers	115	117	2	1.7%	↘	5	7	12	High School none Moderate OJT
47-4051	Highway Maintenance Workers	1,372	1,515	143	10.4%	↑	65	64	143	High School none Moderate OJT
47-4061	Rail-Track Laying and Maintenance Equipment Operators	n	n	n	n	↓	n	n	n	High School none Moderate OJT
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	233	256	23	9.9%	↑	9	13	24	High School none Moderate OJT
47-4090	Miscellaneous Construction and Related Workers	73	77	4	5.5%	↘	3	4	7	High School none Moderate OJT
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	25	26	1	4.0%	↘	1	1	2	High School < 5 yrs Moderate OJT
47-5023	Earth Drillers, Except Oil and Gas	122	131	9	7.4%	↘	6	7	14	High School < 5 yrs Long OJT
47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	n	n	n	n	↗	n	n	n	High School < 5 yrs Long OJT
47-5051	Rock Splitters, Quarry	29	29	0	0.0%	↓	1	2	3	none none Short OJT
47-5081	Helpers--Extraction Workers	53	59	6	11.3%	↗	2	4	7	High School none Moderate OJT
49-0000	Installation, Maintenance, and Repair Occupations	26,358	28,364	2,006	7.6%		1,047	1,338	2,586	
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	2,540	2,683	143	5.6%	↑	101	113	228	High School < 5 yrs none
49-2011	Computer, Automated Teller, and Office Machine Repairers	669	653	-16	-2.4%	↗	23	41	62	Some College none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	224	245	21	9.4%	↑	8	15	25	Associate's none Moderate OJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,048	1,143	95	9.1%	↑	39	71	120	Postsecondary none Moderate OJT
49-2091	Avionics Technicians	n	n	n	n	↗	n	n	n	Associate's none none
49-2092	Electric Motor, Power Tool, and Related Repairers	57	60	3	5.3%	↘	2	3	5	High School < 5 yrs Moderate OJT
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	28	28	0	0.0%	↓	1	1	2	Postsecondary none Long OJT
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	223	239	16	7.2%	↘	8	12	22	Postsecondary none Long OJT
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	132	137	5	3.8%	↘	4	7	11	Postsecondary < 5 yrs Moderate OJT
49-2097	Audiovisual Equipment Installers and Repairers	80	81	1	1.3%	↘	2	6	8	Postsecondary none Short OJT
49-2098	Security and Fire Alarm Systems Installers	313	346	33	10.5%	↑	13	22	38	High School none Moderate OJT
49-3011	Aircraft Mechanics and Service Technicians	290	303	13	4.5%	↗	9	13	23	Postsecondary none none
49-3021	Automotive Body and Related Repairers	703	723	20	2.8%	↗	31	30	63	High School none Long OJT
49-3022	Automotive Glass Installers and Repairers	78	80	2	2.6%	↘	2	4	6	High School none Moderate OJT
49-3023	Automotive Service Technicians and Mechanics	3,797	3,945	148	3.9%	↗	134	191	340	Postsecondary none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,080	1,120	40	3.7%	↗	39	51	94	High School none Long OJT
49-3041	Farm Equipment Mechanics and Service Technicians	160	189	29	18.1%	↗	6	9	18	High School none Long OJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	592	660	68	11.5%	↑	20	31	58	High School none Long OJT
49-3051	Motorboat Mechanics and Service Technicians	232	253	21	9.1%	↑	12	12	26	High School none Long OJT
49-3052	Motorcycle Mechanics	224	234	10	4.5%	↗	12	11	24	Postsecondary none Short OJT
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	237	248	11	4.6%	↗	12	12	25	High School none Moderate OJT
49-3091	Bicycle Repairers	145	154	9	6.2%	↘	6	11	18	High School none Moderate OJT
49-3092	Recreational Vehicle Service Technicians	81	94	13	16.0%	↗	4	6	11	High School none Long OJT
49-3093	Tire Repairers and Changers	300	311	11	3.7%	↗	12	22	35	High School none Short OJT
49-9011	Mechanical Door Repairers	116	136	20	17.2%	↗	4	5	11	High School none Moderate OJT
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	145	154	9	6.2%	↘	5	6	12	High School none Moderate OJT
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,929	2,057	128	6.6%	↑	62	103	178	Postsecondary none Long OJT
49-9031	Home Appliance Repairers	219	217	-2	-0.9%	↓	8	10	18	High School none Moderate OJT
49-9041	Industrial Machinery Mechanics	2,037	2,464	427	21.0%	↑	80	93	216	High School none Long OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
49-9043	Maintenance Workers, Machinery	323	366	43	13.3%	↑	17	15	36	High School none Long OJT
49-9044	Millwrights	72	75	3	4.2%	↘	2	3	5	High School none Apprenticeship
49-9051	Electrical Power-Line Installers and Repairers	469	514	45	9.6%	↑	13	24	41	High School none Long OJT
49-9052	Telecommunications Line Installers and Repairers	534	586	52	9.7%	↑	17	32	54	High School none Long OJT
49-9062	Medical Equipment Repairers	195	227	32	16.4%	↗	8	11	22	Associate's none Moderate OJT
49-9063	Musical Instrument Repairers and Tuners	35	32	-3	-8.6%	↓	1	2	3	High School none Apprenticeship
49-9064	Watch and Clock Repairers	n	n	n	n	↓	n	n	n	High School none Long OJT
49-9069	Precision Instrument and Equipment Repairers, All Other	71	75	4	5.6%	↘	3	4	7	High School none Long OJT
49-9071	Maintenance and Repair Workers, General	5,803	6,311	508	8.8%	↑	267	276	594	High School none Moderate OJT
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	75	75	0	0.0%	↓	4	4	8	High School none Short OJT
49-9092	Commercial Divers	n	n	n	n	↗	n	n	n	Postsecondary none Moderate OJT
49-9094	Locksmiths and Safe Repairers	60	54	-6	-10.0%	↓	3	3	5	High School none Long OJT
49-9095	Manufactured Building and Mobile Home Installers	101	82	-19	-18.8%	↓	4	5	7	High School none Short OJT
49-9096	Riggers	80	85	5	6.3%	↘	4	4	8	High School none Moderate OJT
49-9097	Signal and Track Switch Repairers	n	n	n	n	↓	n	n	n	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
49-9098	Helpers--Installation, Maintenance, and Repair Workers	402	428	26	6.5%	↑	25	21	49	High School none Short OJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	284	302	18	6.3%	↑	11	16	29	High School none Moderate OJT
51-0000	Production Occupations	42,015	42,637	622	1.5%		1,829	2,625	4,516	
51-1011	First-Line Supervisors of Production and Operating Workers	3,301	3,461	160	4.8%	↗	122	191	329	High School < 5 yrs none
51-2021	Coil Winders, Tapers, and Finishers	145	126	-19	-13.1%	↓	7	8	13	High School none Moderate OJT
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	3,022	3,172	150	5.0%	↗	154	173	342	High School none Moderate OJT
51-2031	Engine and Other Machine Assemblers	83	76	-7	-8.4%	↓	5	5	9	High School none Moderate OJT
51-2041	Structural Metal Fabricators and Fitters	395	353	-42	-10.6%	↗	14	24	34	High School none Moderate OJT
51-2051	Fiberglass Laminators and Fabricators	16	17	1	6.3%	↘	1	1	2	High School none Moderate OJT
51-2090	Miscellaneous Assemblers and Fabricators	5,765	5,663	-102	-1.8%	↗	242	361	593	High School none Moderate OJT
51-3011	Bakers	770	841	71	9.2%	↑	57	60	124	none none Moderate OJT
51-3021	Butchers and Meat Cutters	436	442	6	1.4%	↗	22	30	53	none none Long OJT
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	222	234	12	5.4%	↗	11	16	28	none none Short OJT
51-3023	Slaughterers and Meat Packers	n	n	n	n	↓	n	n	n	none none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	n	n	n	n	↗	n	n	n	none none Moderate OJT
51-3092	Food Batchmakers	418	462	44	10.5%	↑	28	37	69	High School none Moderate OJT
51-3093	Food Cooking Machine Operators and Tenders	n	n	n	n	↘	n	n	n	High School none Moderate OJT
51-3099	Food Processing Workers, All Other	51	51	0	0.0%	↓	2	3	5	none none Moderate OJT
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	451	485	34	7.5%	↑	18	30	51	High School none Moderate OJT
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	58	55	-3	-5.2%	↓	2	4	6	High School none Moderate OJT
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	890	851	-39	-4.4%	↗	30	54	80	High School none Moderate OJT
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	35	31	-4	-11.4%	↓	2	2	4	High School none Moderate OJT
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	655	623	-32	-4.9%	↗	25	42	64	High School none Moderate OJT
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	100	95	-5	-5.0%	↓	7	6	13	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	76	68	-8	-10.5%	↓	5	4	8	High School none Moderate OJT
51-4041	Machinists	1,664	1,775	111	6.7%	↑	69	98	178	High School none Long OJT
51-4051	Metal-Refining Furnace Operators and Tenders	52	51	-1	-1.9%	↓	2	4	6	High School none Moderate OJT
51-4052	Pourers and Casters, Metal	16	15	-1	-6.3%	↓	-	1	1	High School none Moderate OJT
51-4061	Model Makers, Metal and Plastic	13	10	-3	-23.1%	↓	-	1	1	High School none Moderate OJT
51-4071	Foundry Mold and Coremakers	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	657	658	1	0.2%	↗	21	37	58	High School none Moderate OJT
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,030	1,104	74	7.2%	↑	42	61	110	High School none Moderate OJT
51-4111	Tool and Die Makers	357	358	1	0.3%	↗	18	19	37	Postsecondary none Long OJT
51-4121	Welders, Cutters, Solderers, and Brazers	1,219	1,303	84	6.9%	↑	38	84	130	High School none Moderate OJT
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	269	263	-6	-2.2%	↗	8	18	25	High School none Moderate OJT
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	73	68	-5	-6.8%	↓	3	4	7	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
51-4192	Layout Workers, Metal and Plastic	24	24	0	0.0%	↓	1	1	2	High School none Moderate OJT
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	109	114	5	4.6%	↘	4	6	10	High School none Moderate OJT
51-4194	Tool Grinders, Filers, and Sharpeners	37	35	-2	-5.4%	↓	1	2	3	High School none Moderate OJT
51-4199	Metal Workers and Plastic Workers, All Other	621	627	6	1.0%	↗	25	35	61	High School none Moderate OJT
51-5111	Prepress Technicians and Workers	154	120	-34	-22.1%	↓	8	9	14	Postsecondary none none
51-5112	Printing Press Operators	824	797	-27	-3.3%	↗	36	50	83	High School none Moderate OJT
51-5113	Print Binding and Finishing Workers	161	135	-26	-16.1%	↓	6	7	10	High School none Moderate OJT
51-6011	Laundry and Dry-Cleaning Workers	801	818	17	2.1%	↗	62	48	112	none none Short OJT
51-6021	Pressers, Textile, Garment, and Related Materials	110	86	-24	-21.8%	↓	7	5	10	none none Short OJT
51-6031	Sewing Machine Operators	416	405	-11	-2.6%	↗	27	19	45	none none Short OJT
51-6041	Shoe and Leather Workers and Repairers	54	56	2	3.7%	↘	3	3	6	High School none Moderate OJT
51-6042	Shoe Machine Operators and Tenders	n	n	n	n	↘	n	n	n	High School none Short OJT
51-6052	Tailors, Dressmakers, and Custom Sewers	122	112	-10	-8.2%	↓	10	6	15	none none Moderate OJT
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	68	67	-1	-1.5%	↓	4	4	8	High School none Short OJT
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	122	122	0	0.0%	↓	6	7	13	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	178	171	-7	-3.9%	↓	9	10	18	High School none Short OJT
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	196	185	-11	-5.6%	↓	10	11	20	High School none Moderate OJT
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	101	98	-3	-3.0%	↓	6	5	11	High School none Moderate OJT
51-6093	Upholsterers	31	33	2	6.5%	↘	1	2	3	High School none Moderate OJT
51-6099	Textile, Apparel, and Furnishings Workers, All Other	276	294	18	6.5%	↑	16	16	34	High School none Short OJT
51-7011	Cabinetmakers and Bench Carpenters	268	265	-3	-1.1%	↗	11	14	25	High School none Moderate OJT
51-7021	Furniture Finishers	n	n	n	n	↗	n	n	n	High School none Short OJT
51-7031	Model Makers, Wood	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	239	248	9	3.8%	↗	11	16	28	High School none Moderate OJT
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	367	370	3	0.8%	↗	12	22	34	High School none Moderate OJT
51-7099	Woodworkers, All Other	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-8011	Nuclear Power Reactor Operators	n	n	n	n	↘	n	n	n	High School none Long OJT
51-8012	Power Distributors and Dispatchers	n	n	n	n	↘	n	n	n	High School none Long OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
51-8013	Power Plant Operators	185	175	-10	-5.4%	↓	5	10	14	High School none Long OJT
51-8021	Stationary Engineers and Boiler Operators	50	49	-1	-2.0%	↓	2	3	5	High School none Long OJT
51-8031	Water and Wastewater Treatment Plant and System Operators	412	403	-9	-2.2%	↗	17	21	37	High School none Long OJT
51-8092	Gas Plant Operators	n	n	n	n	↓	n	n	n	High School none Long OJT
51-8099	Plant and System Operators, All Other	221	221	0	0.0%	↓	6	14	20	High School none Moderate OJT
51-9011	Chemical Equipment Operators and Tenders	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	277	314	37	13.4%	↑	9	18	31	High School none Moderate OJT
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	164	165	1	0.6%	↓	6	11	17	High School none Moderate OJT
51-9022	Grinding and Polishing Workers, Hand	28	26	-2	-7.1%	↓	1	2	3	none none Moderate OJT
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	221	228	7	3.2%	↗	8	15	24	High School none Moderate OJT
51-9031	Cutters and Trimmers, Hand	22	17	-5	-22.7%	↓	1	1	2	none none Short OJT
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	171	172	1	0.6%	↓	8	10	18	High School none Moderate OJT
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	468	489	21	4.5%	↗	20	27	49	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	79	82	3	3.8%	↘	4	5	9	High School none Moderate OJT
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	3,551	3,560	9	0.3%	↗	149	256	406	High School none Moderate OJT
51-9071	Jewelers and Precious Stone and Metal Workers	159	159	0	0.0%	↓	12	9	21	High School none Long OJT
51-9081	Dental Laboratory Technicians	57	56	-1	-1.8%	↓	3	4	7	High School none Moderate OJT
51-9082	Medical Appliance Technicians	100	108	8	8.0%	↘	5	7	13	High School none Moderate OJT
51-9083	Ophthalmic Laboratory Technicians	189	194	5	2.6%	↗	9	14	23	High School none Moderate OJT
51-9111	Packaging and Filling Machine Operators and Tenders	915	1,013	98	10.7%	↑	46	57	113	High School none Moderate OJT
51-9123	Painting, Coating, and Decorating Workers	71	73	2	2.8%	↘	2	4	6	none none Moderate OJT
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	628	644	16	2.5%	↗	19	38	59	High School none Moderate OJT
51-9141	Semiconductor Processing Technicians	n	n	n	n	↘	n	n	n	High School none Moderate OJT
51-9151	Photographic Process Workers and Processing Machine Operators	34	31	-3	-8.8%	↓	1	3	4	High School none Short OJT
51-9161	Computer Numerically Controlled Tool Operators	2,802	2,714	-88	-3.1%	↗	86	163	240	High School none Moderate OJT
51-9162	Computer Numerically Controlled Tool Programmers	354	432	78	22.0%	↑	12	23	43	Postsecondary none Moderate OJT
51-9191	Adhesive Bonding Machine Operators and Tenders	69	71	2	2.9%	↘	2	4	6	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	94	100	6	6.4%	↘	4	6	11	High School none Moderate OJT
51-9193	Cooling and Freezing Equipment Operators and Tenders	n	n	n	n	↗	n	n	n	High School none Moderate OJT
51-9194	Etchers and Engravers	90	91	1	1.1%	↘	9	5	14	High School none Moderate OJT
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	144	151	7	4.9%	↘	8	11	20	High School none Long OJT
51-9196	Paper Goods Machine Setters, Operators, and Tenders	189	175	-14	-7.4%	↓	8	13	20	High School none Moderate OJT
51-9198	Helpers--Production Workers	677	638	-39	-5.8%	↗	44	58	98	High School none Short OJT
51-9199	Production Workers, All Other	1,136	1,251	115	10.1%	↑	50	78	140	High School none Moderate OJT
53-0000	Transportation and Material Moving Occupations	53,233	57,270	4,037	7.6%		2,984	4,134	7,522	
53-1047	FirstLine Supervisors of Transportation & Material Moving Workers, Exc Aircraft Cargo Handling Supervisor	2,470	2,635	165	6.7%	↑	86	167	269	High School < 5 yrs none
53-2011	Airline Pilots, Copilots, and Flight Engineers	17	19	2	11.8%	↗	1	1	2	Bachelor's < 5 yr Moderate OJT
53-2012	Commercial Pilots	389	412	23	5.9%	↑	14	31	47	Postsecondary none Moderate OJT
53-2021	Air Traffic Controllers	439	428	-11	-2.5%	↗	11	26	36	Associate's none Long OJT
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	n	n	n	n	↘	n	n	n	High School none Moderate OJT
53-3031	Driver/Sales Workers	2,010	2,272	262	13.0%	↑	97	125	248	High School none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
53-3032	Heavy and Tractor-Trailer Truck Drivers	8,208	8,740	532	6.5%	↑	384	496	933	Postsecondary none Short OJT
53-3033	Light Truck Drivers	5,611	6,380	769	13.7%	↑	271	351	699	High School none Short OJT
53-3051	Bus Drivers, School	1,796	1,927	131	7.3%	↑	197	85	295	High School none Short OJT
53-3052	Bus Drivers, Transit and Intercity	196	217	21	10.7%	↑	16	10	28	High School none Moderate OJT
53-3053	Shuttle Drivers and Chauffeurs	831	911	80	9.6%	↑	74	44	126	none none Short OJT
53-3054	Taxi Drivers	790	994	204	25.8%	↑	45	42	107	none none Short OJT
53-3099	Motor Vehicle Operators, All Other	611	692	81	13.3%	↑	56	39	103	none none Short OJT
53-4011	Locomotive Engineers	24	24	0	0.0%	↓	1	1	2	High School < 5 yrs Moderate OJT
53-4031	Railroad Conductors and Yardmasters	n	n	n	n	↘	n	n	n	High School none Moderate OJT
53-5011	Sailors and Marine Oilers	31	32	1	3.2%	↘	1	2	3	none none Moderate OJT
53-5021	Captains, Mates, and Pilots of Water Vessels	53	54	1	1.9%	↘	2	3	5	Postsecondary < 5 yrs none
53-5022	Motorboat Operators	31	36	5	16.1%	↗	1	2	3	Postsecondary < 5 yrs none
53-5031	Ship Engineers	n	n	n	n	↓	n	n	n	Postsecondary < 5 yrs none
53-6011	Bridge and Lock Tenders	n	n	n	n	↓	n	n	n	High School none Short OJT
53-6021	Parking Attendants	253	273	20	7.9%	↑	14	23	39	none none Short OJT
53-6031	Automotive and Watercraft Service Attendants	381	389	8	2.1%	↗	20	36	57	none none Short OJT
53-6032	Aircraft Service Attendants	54	57	3	5.6%	↘	3	5	8	High School none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2022 Estimated	2032 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits ¹	Transfers ²	Total ³	
53-6041	Traffic Technicians	11	12	1	9.1%	↘	-	1	1	High School none Moderate OJT
53-6051	Transportation Inspectors	29	29	0	0.0%	↓	1	2	3	High School none Moderate OJT
53-6061	Passenger Attendants	n	n	n	n	↓	n	n	n	High School none Short OJT
53-7011	Conveyor Operators and Tenders	123	136	13	10.6%	↗	5	8	14	none none Short OJT
53-7021	Crane and Tower Operators	61	63	2	3.3%	↘	2	4	6	High School < 5 yrs Moderate OJT
53-7051	Industrial Truck and Tractor Operators	1,659	1,757	98	5.9%	↑	55	109	174	none none Short OJT
53-7061	Cleaners of Vehicles and Equipment	990	1,051	61	6.2%	↑	55	79	140	none none Short OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	6,082	6,516	434	7.1%	↑	301	512	856	none none Short OJT
53-7063	Machine Feeders and Offbearers	511	557	46	9.0%	↑	42	41	88	none none Short OJT
53-7064	Packers and Packagers, Hand	4,191	3,740	-451	-10.8%	↗	238	328	521	none none Short OJT
53-7065	Stockers and Order Fillers	14,479	15,978	1,499	10.4%	↑	947	1,491	2,588	High School none Short OJT
53-7071	Gas Compressor and Gas Pumping Station Operators	35	37	2	5.7%	↘	1	2	3	High School none Moderate OJT
53-7081	Refuse and Recyclable Material Collectors	658	686	28	4.3%	↗	31	51	85	none none Short OJT
53-7121	Tank Car, Truck, and Ship Loaders	18	18	0	0.0%	↓	1	1	2	none none Short OJT

1 Annual Labor Force Exits is the number of workers leaving an occupation (to go to school, start a family, or retire, for example).

2 Annual Occupational Transfers is the number of workers leaving one occupation to go to another occupational group (such as through job change or promotion).

3 Total Annual Openings is the sum of Exits plus Transfers plus annual change in an occupation.

Sum of detailed occupations may not add up to total major group due to rounding. Excludes occupations with fewer than 10 in base year.

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