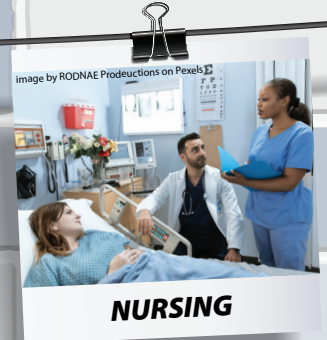




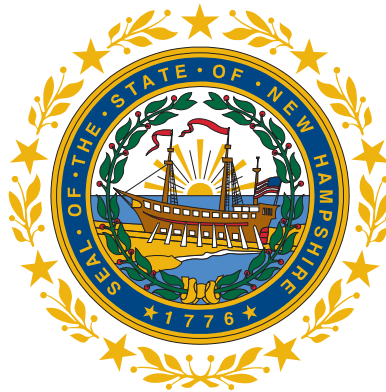
New Hampshire Employment Projections by Industry and Occupation

base year 2020 to projected year 2030



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base year 2020 to projected year 2030



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New Hampshire Employment Projections by Industry and Occupation

Projections Highlights

Introduction

Employment in New Hampshire is projected to grow by 7.5 percent over ten years, similar to the rate of growth for the United States as a whole. The projected growth from 2020 to 2030 is slightly higher than in previous rounds of long-term employment projections for New Hampshire, due to the lower than usual employment in the base year 2020, resulting from the COVID-19 pandemic and related recession.

Total employment is projected to increase by nearly 51,000 jobs over the ten-year period, from about 675,600 in 2020 to about 726,600 in 2030. This projected employment growth will provide opportunities across all levels of educational attainment.

Industry Projections

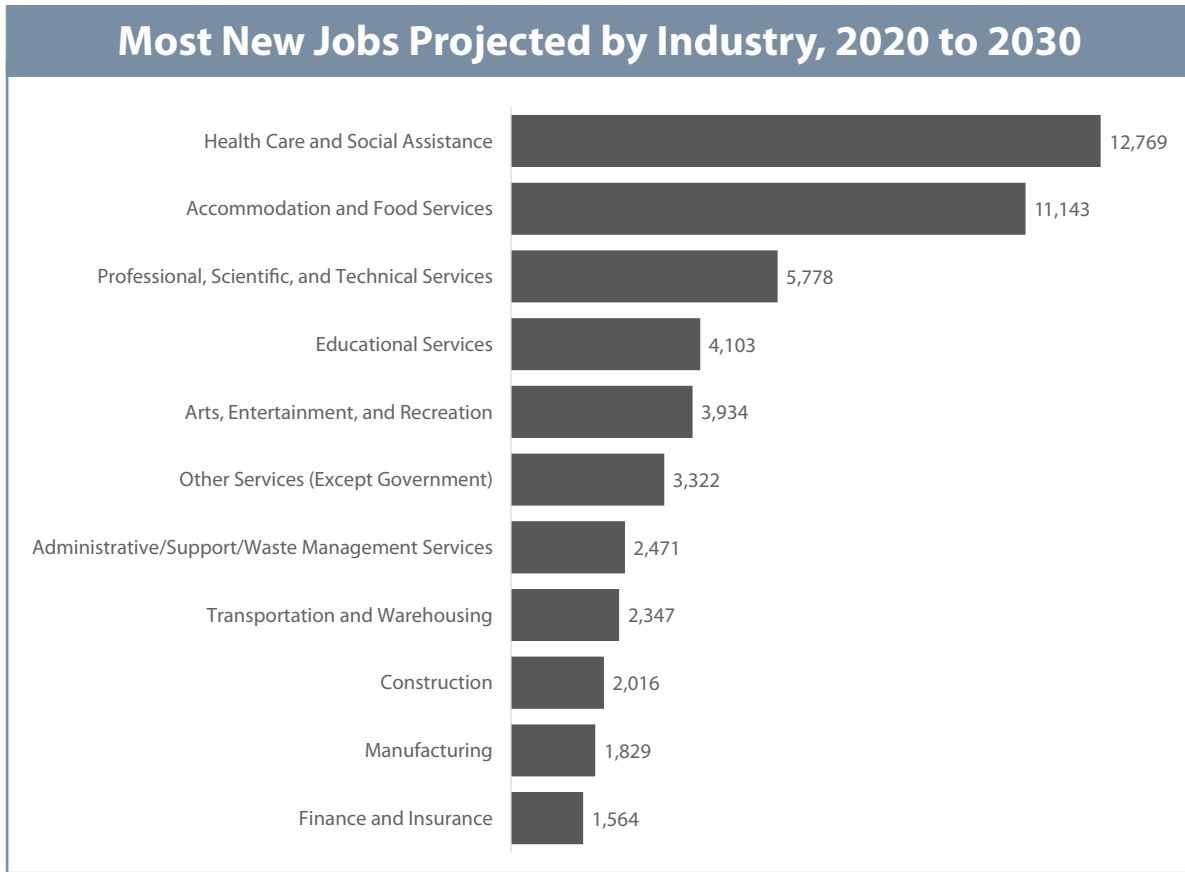
- A quarter of all new jobs projected over the period 2020 to 2030 are going to be in the *Healthcare and social assistance* sector. This gain of more than 12,750 jobs over the ten-year period is largely due to an increasingly older population that will require more healthcare and other home care assistance.
- Employment in the *Accommodation and food services* sector is projected to increase by more than 11,000 jobs by 2030. A significant portion of that increase is driven by annual base-year employment in 2020 that was lower than normal, as restaurants and hotels recovered from pandemic-related shutdowns.
- *Retail trade* employment is projected to decline by 2,700 jobs over the ten-year period, the largest decline of any sector. New Hampshire is expected to follow the national trend of a decrease in employment demand at brick-and-mortar establishments.

Effect of the COVID-19 Pandemic on the 2020 to 2030 Projections

The COVID-19 pandemic triggered an economic recession from February to April 2020, which led to substantial and immediate declines in output and employment. Because 2020 serves as the base year for the 2020–30 projections, these recession impacts translate to lower base-year values than seen in recent projections and, therefore, higher projected employment growth.

Many industries are expected to experience cyclical recoveries in the earlier part of the projections decade as industry output and employment normalize, returning to their long-term growth patterns. Projected robust growth for industries in which employment fell in 2020 also is projected to result in strong growth for the occupations employed by those industries.

Source: *Employment projections — 2020-2030*. Bureau of Labor Statistics. U.S. Department of Labor. Accessed on January 25, 2022 at <https://www.bls.gov/news.release/pdf/ecopro.pdf>



Occupational Projections

- The COVID-19 pandemic and resulting recession that lasted from February to April 2020 caused decline in output and employment that resulted in lower base-year levels than in prior years' projections. Average annual employment declined by approximately 6.6 percent from 2019 to 2020, hence the average annual employment for 2020 was a low point in terms of employment. As a result, higher projected growth, both on a numeric and percentage basis, will be apparent for many occupations.
- Faster-growing occupations for the 2020 to 2030 round of projections are driven by changes in the business cycle, long-term structural changes, or by the recovery from the low 2020 employment base.
- Healthcare practitioners and healthcare support occupations account for 9,500 projected jobs by 2030, nearly 20 percent of all new jobs in the decade. Increased demand for these occupations is mainly due to an aging population, new treatments, and innovations in medical technology.
- Personal care and service occupations and food preparation and serving occupations are projected to be the fastest-growing occupational groups, with projected increases of 23.6 and 20.9 percent, respectively. Much of the gain can be attributed to post-pandemic recovery.
- At the detailed occupational level, the largest number of new jobs are projected for home health and personal care aides (2,600 jobs), software developers and software quality assurance analysts and testers (2,500) and restaurant cooks (2,400).
- Occupations with the largest number of annual openings signal the continued recovery of industries most affected by the pandemic and recession. Cashiers, fast food and counter workers, and retail salespersons are among the occupations with the most expected openings.

Most New Jobs Projected by Occupation, 2020 to 2030



Occupational Outlook Indicators

Projected growth and employment numbers in this publication are a general guide and should only be considered an estimate of occupational employment trends in a ten-year period. A more user-friendly method is to refer to the symbols that accompany each occupation in the occupational projections tables.

- ↑ **Very Favorable.** Occupations that combine a high rate of growth and a large number of annual job openings are described as *very favorable*. These occupations are expected to provide the best employment opportunities through 2030.
- ↗ **Favorable.** Occupations that have a low rate of growth combined with a very high or 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 2030.

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 entered into employment.

Educational Attainment

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

- Doctorate (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 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. The work experience categories are: *less than five years, five years or more, or none.*

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

The 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 annualized difference between base year employment and projected employment. Growth occurs when there is demand for workers in an occupation, often due to increased demand for products and services produced by the industries that employ those workers. Growth for an occupation can be negative, such as when changes in technology result in fewer workers needed to achieve the same level of labor 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 a large number of annual job openings, while occupations with fewer workers are expected to have fewer annual job openings.

Advantages of this 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.

Occupational Code Changes

Employment projections for 2020 to 2030 are based on occupational codes and titles from the 2018 Standard Occupational Classification (SOC) system, used by the U.S. Bureau of Labor Statistics and other federal agencies to classify workers into occupational categories. Compared to the 2010 SOC used in the prior release of projections, the 2018 SOC contains revisions to occupational titles and descriptions, some entirely new occupations, and some occupations that are based on prior titles combined.

For example, the home health aides and personal care aides occupations have been combined into a single occupation; web developers and digital interface designers is an entirely new occupation; and fitness trainers and aerobics instructors have been retitled exercise trainers and group fitness instructors.

INDUSTRY PROJECTIONS

New Hampshire Long-term Industry Projections, 2020 to 2030		2020 Estimated	2030 Projected	Numeric Change	Percent Change
	Total Employment	675,594	726,549	50,955	7.5%
101000	Goods-Producing Industries	101,160	105,497	4,337	4.3%
11	Agriculture, Forestry, Fishing and Hunting	5,406	5,848	442	8.2%
111	Crop Production	3,486	3,803	317	9.1%
112	Animal Production	1,346	1,460	114	8.5%
113	Forestry and Logging	407	404	-3	-0.7%
114	Fishing Hunting and Trapping	n	n	n	n
115	Agriculture and Forestry Support Activities	n	n	n	n
21	Mining	583	633	50	8.6%
212	Mining (except oil and gas)	453	492	39	8.6%
213	Support Activities for Mining	130	141	11	8.5%
23	Construction	27,887	29,903	2,016	7.2%
236	Construction of Buildings	6,032	6,547	515	8.5%
237	Heavy and Civil Engineering Construction	3,431	3,697	266	7.8%
238	Specialty Trade Contractors	18,424	19,659	1,235	6.7%
31-33	Manufacturing	67,284	69,113	1,829	2.7%
311	Food Manufacturing	2,683	2,888	205	7.6%
312	Beverage and Tobacco Product Manufacturing	1,264	1,382	118	9.3%
313	Textile Mills	1,595	1,427	-168	-10.5%
314	Textile Product Mills	212	193	-19	-9.0%
315	Apparel Manufacturing	464	314	-150	-32.3%
316	Leather and Allied Product Manufacturing	180	144	-36	-20.0%
321	Wood Product Manufacturing	1,580	1,359	-221	-14.0%
322	Paper Manufacturing	777	629	-148	-19.0%
323	Printing and Related Support Activities	1,992	1,446	-546	-27.4%
324	Petroleum and Coal Products Manufacturing	231	251	20	8.7%
325	Chemical Manufacturing	2,462	3,208	746	30.3%
326	Plastics and Rubber Products Manufacturing	4,942	4,678	-264	-5.3%
327	Nonmetallic Mineral Product Manufacturing	1,868	1,894	26	1.4%
331	Primary Metal Manufacturing	2,220	2,193	-27	-1.2%
332	Fabricated Metal Product Manufacturing	11,252	11,711	459	4.1%
333	Machinery Manufacturing	6,794	6,858	64	0.9%
334	Computer and Electronic Product Manufacturing	15,797	17,147	1,350	8.5%
335	Electrical Equipment, Appliance, and Component Manufacturing	3,926	4,170	244	6.2%
336	Transportation Equipment Manufacturing	2,157	2,114	-43	-2.0%
337	Furniture and Related Product Manufacturing	839	817	-22	-2.6%
339	Miscellaneous Manufacturing	4,049	4,290	241	6.0%
102000	Service-Providing Industries	536,252	583,224	46,972	8.8%
22	Utilities	1,998	1,854	-144	-7.2%
221	Utilities	1,998	1,854	-144	-7.2%
42	Wholesale Trade	27,402	28,326	924	3.4%
44-45	Retail Trade	88,758	86,059	-2,699	-3.0%
441	Motor Vehicle and Parts Dealers	11,506	12,453	947	8.2%
442	Furniture and Home Furnishings Stores	2,444	2,704	260	10.6%

n = Employment data do not meet disclosure standards

INDUSTRY PROJECTIONS

New Hampshire Long-term Industry Projections, 2020 to 2030		2020 Estimated	2030 Projected	Numeric Change	Percent Change
443	Electronics and Appliance Stores	2,756	2,276	-480	-17.4%
444	Building Material and Garden Supply Stores	10,252	9,628	-624	-6.1%
445	Food and Beverage Stores	22,418	21,406	-1,012	-4.5%
446	Health and Personal Care Stores	3,786	3,635	-151	-4.0%
447	Gasoline Stations	4,278	4,080	-198	-4.6%
448	Clothing and Clothing Accessories Stores	4,205	3,589	-616	-14.6%
451	Sporting Goods, Hobby, Book, and Music Stores	3,245	3,028	-217	-6.7%
452	General Merchandise Stores	13,369	12,373	-996	-7.5%
453	Miscellaneous Store Retailers	4,414	3,882	-532	-12.1%
454	Non-store Retailers	6,085	7,005	920	15.1%
48-49	Transportation and Warehousing	18,384	20,731	2,347	12.8%
481	Air Transportation	477	557	80	16.8%
482	Rail Transportation	75	80	5	6.7%
483	Water Transportation	n	n	n	n
484	Truck Transportation	3,034	3,213	179	5.9%
485	Transit and Ground Passenger Transport	2,587	3,529	942	36.4%
486	Pipeline Transportation	n	n	n	n
487	Scenic and Sightseeing Transportation	231	359	128	55.4%
488	Support Activities for Transportation	1,446	1,692	246	17.0%
4911	Postal Service, Federal Government	3,305	3,019	-286	-8.7%
492	Couriers and Messengers	4,424	5,238	814	18.4%
493	Warehousing and Storage	2,796	3,035	239	8.5%
51	Information	11,735	12,038	303	2.6%
511	Publishing Industries	5,140	5,557	417	8.1%
512	Motion Picture and Sound Recording Industries	570	825	255	44.7%
515	Broadcasting (except Internet)	551	492	-59	-10.7%
517	Telecommunications	3,741	3,283	-458	-12.2%
518	Data Processing, Hosting, and Related Services	1,237	1,343	106	8.6%
519	Other Information Services	496	538	42	8.5%
52	Finance and Insurance	27,494	29,058	1,564	5.7%
522	Credit Intermediation and Related Activities	8,034	7,744	-290	-3.6%
523	Financial Investment and Related Activities	6,579	7,572	993	15.1%
524	Insurance Carriers and Related Activities	12,842	13,703	861	6.7%
525	Funds, Trusts, and Other Financial Vehicles	39	39	0	0.0%
53	Real Estate and Rental and Leasing	6,566	6,984	418	6.4%
531	Real Estate	4,767	5,058	291	6.1%
532	Rental and Leasing Services	1,767	1,891	124	7.0%
533	Lessors of Non-financial Intangible Assets	32	35	3	9.4%
54	Professional, Scientific, and Technical Services	39,061	44,839	5,778	14.8%
541	Professional, Scientific, and Technical Services	39,061	44,839	5,778	14.8%
5411	Legal Services	3,821	3,916	95	2.5%
5412	Accounting, Tax Prep., Bookkeeping, and Payroll Services	4,211	4,339	128	3.0%
5413	Architectural, Engineering, and Related Services	7,177	7,790	613	8.5%
5414	Specialized Design Services	414	443	29	7.0%

n = Employment data do not meet disclosure standards

INDUSTRY PROJECTIONS

New Hampshire Long-term Industry Projections, 2020 to 2030		2020 Estimated	2030 Projected	Numeric Change	Percent Change
5415	Computer Systems Design and Related Services	12,104	15,012	2,908	24.0%
5416	Management, Scientific, and Technical Consulting Services	4,648	5,739	1,091	23.5%
5417	Scientific Research and Development Services	2,073	2,250	177	8.5%
5418	Advertising and Related Services	1,290	1,398	108	8.4%
5419	Other Professional, Scientific, and Technical Services	3,323	3,952	629	18.9%
55	Management of Companies and Enterprises	8,986	8,863	-123	-1.4%
551	Management of Companies and Enterprises	8,986	8,863	-123	-1.4%
56	Administrative and Support and Waste Management Services	33,417	35,888	2,471	7.4%
561	Administrative and Support Services	31,365	33,616	2,251	7.2%
5611	Office Administrative Services	4,515	5,142	627	13.9%
5612	Facilities Support Services	131	129	-2	-1.5%
5613	Employment Services	9,712	10,334	622	6.4%
5614	Business Support Services	3,041	3,118	77	2.5%
5615	Travel Arrangement and Reservation	612	580	-32	-5.2%
5616	Investigation and Security	2,124	2,391	267	12.6%
5617	Services to Buildings and Dwellings	10,362	10,831	469	4.5%
5619	Other Support Services	868	1,091	223	25.7%
562	Waste Management and Remediation Services	2,052	2,272	220	10.7%
61	Educational Services	60,523	64,626	4,103	6.8%
611	Educational Services	60,523	64,626	4,103	6.8%
6111	Elementary and Secondary Schools	39,116	41,172	2,056	5.3%
6112	Junior Colleges	1,253	1,184	-69	-5.5%
6113	Colleges and Universities	16,479	17,518	1,039	6.3%
6114	Business Schools and Computer and Management Training	421	449	28	6.7%
6115	Technical and Trade Schools	434	471	37	8.5%
6116	Other Schools and Instruction	2,097	3,047	950	45.3%
6117	Educational Support Services	723	785	62	8.6%
62	Health Care and Social Assistance	89,984	102,753	12,769	14.2%
621	Ambulatory Health Care Services	33,070	38,934	5,864	17.7%
622	Hospitals	29,163	31,149	1,986	6.8%
623	Nursing and Residential Care Facilities	13,854	14,869	1,015	7.3%
624	Social Assistance	13,897	17,801	3,904	28.1%
71	Arts, Entertainment, and Recreation	9,354	13,288	3,934	42.1%
711	Performing Arts, Spectator Sports, and Related Industries	807	1,616	809	100.2%
712	Museums, Historical Sites, and Similar Institutions	465	673	208	44.7%
713	Amusements, Gambling, and Recreation	8,082	10,999	2,917	36.1%
72	Accommodation and Food Services	47,789	58,932	11,143	23.3%
721	Accommodation	6,328	7,871	1,543	24.4%
722	Food Services and Drinking Places	41,461	51,061	9,600	23.2%
81	Other Services (Except Government)	25,502	28,824	3,322	13.0%
811	Repair and Maintenance	6,706	7,396	690	10.3%
812	Personal and Laundry	5,924	7,714	1,790	30.2%
813	Religious, Grantmaking, Civic, Professional, and Similar Org.	9,478	10,048	570	6.0%
814	Private Households	3,394	3,666	272	8.0%

n = Employment data do not meet disclosure standards

INDUSTRY PROJECTIONS

New Hampshire Long-term Industry Projections, 2020 to 2030		2020 Estimated	2030 Projected	Numeric Change	Percent Change
	Government	39,299	40,161	862	2.2%
	Federal Government, excluding Postal Service	4,975	4,857	-118	-2.4%
	State Government, excluding Education and Hospitals ^{1,2}	12,249	11,936	-313	-2.6%
	Local Government, excluding Education ¹	22,075	23,368	1,293	5.9%
	Self-employed Workers	38,182	37,828	-354	-0.9%

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

n = Employment data do not meet disclosure standards

OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
	Total, All Occupations	675,594	726,549	50,955	7.5%		30,024	45,926	81,045	
11-0000	Management Occupations	47,551	52,409	4,858	10.2%		1,288	2,696	4,471	
11-1011	Chief Executives	876	833	-43	-4.9%	↗	23	34	53	Bachelor's 5+ yrs none
11-1021	General and Operations Managers	13,173	14,432	1,259	9.6%	↑	276	856	1,258	Bachelor's 5+ yrs none
11-1031	Legislators	206	224	18	8.7%	↘	5	10	17	Bachelor's < 5 yrs none
11-2011	Advertising and Promotions Managers	57	65	8	14.0%	↗	1	5	7	Bachelor's < 5 yrs none
11-2021	Marketing Managers	1,292	1,424	132	10.2%	↑	27	86	126	Bachelor's 5+ yrs none
11-2022	Sales Managers	1,722	1,850	128	7.4%	↑	36	113	162	Bachelor's < 5 yrs none
11-2030	Public Relations and Fundraising Managers	670	738	68	10.1%	↑	18	40	65	Bachelor's 5+ yrs none
11-3010	Administrative Services and Facilities Managers	1,027	1,124	97	9.4%	↑	30	54	94	Bachelor's < 5 yrs none
11-3021	Computer and Information Systems Managers	3,040	3,401	361	11.9%	↑	52	183	271	Bachelor's 5+ yrs none
11-3031	Financial Managers	3,980	4,740	760	19.1%	↑	89	219	384	Bachelor's 5+ yrs none
11-3051	Industrial Production Managers	1,070	1,146	76	7.1%	↗	21	52	81	Bachelor's 5+ yrs none
11-3061	Purchasing Managers	498	537	39	7.8%	↑	11	28	43	Bachelor's 5+ yrs none
11-3071	Transportation, Storage, and Distribution Managers	566	605	39	6.9%	↗	11	32	47	High School 5+ yrs none
11-3111	Compensation and Benefits Managers	122	131	9	7.4%	↘	3	6	10	Bachelor's 5+ yrs none
11-3121	Human Resources Managers	717	778	61	8.5%	↑	17	42	65	Bachelor's 5+ yrs none
11-3131	Training and Development Managers	250	270	20	8.0%	↘	6	17	25	Bachelor's 5+ yrs none
11-9013	Farmers, Ranchers, and Other Agricultural Managers	4,760	4,743	-17	-0.4%	↗	293	165	456	High School 5+ yrs none
11-9021	Construction Managers	1,689	1,923	234	13.9%	↑	37	91	151	Bachelor's none Moderate OJT
11-9031	Education Administrators, Preschool and Daycare	442	497	55	12.4%	↑	12	22	40	Bachelor's < 5 yrs none
11-9032	Education Administrators, Kindergarten through Secondary	1,336	1,418	82	6.1%	↗	34	64	106	Master's 5+ yrs none
11-9033	Education Administrators, Postsecondary	n	n	n	n	↗	n	n	n	Master's < 5 yrs none
11-9039	Education Administrators, All Other	100	124	24	24.0%	↗	3	5	10	Bachelor's < 5 yrs none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
11-9041	Architectural and Engineering Managers	1,461	1,569	108	7.4%	↑	27	77	115	Bachelor's 5+ yrs none
11-9051	Food Service Managers	1,327	1,537	210	15.8%	↑	44	114	179	High School < 5 yrs none
11-9081	Lodging Managers	320	355	35	10.9%	↑	13	23	40	High School < 5 yrs none
11-9111	Medical and Health Services Managers	2,082	2,749	667	32.0%	↑	60	123	250	Bachelor's < 5 yrs none
11-9121	Natural Sciences Managers	208	224	16	7.7%	↘	4	11	17	Bachelor's 5+ yrs none
11-9131	Postmasters and Mail Superintendents	155	143	-12	-7.7%	↓	4	7	10	High School < 5 yrs Moderate OJT
11-9141	Property, Real Estate, and Community Association Managers	975	1,020	45	4.6%	↗	38	38	80	High School < 5 yrs none
11-9151	Social and Community Service Managers	889	1,033	144	16.2%	↑	29	52	95	Bachelor's < 5 yrs none
11-9161	Emergency Management Directors	84	88	4	4.8%	↘	3	4	7	Bachelor's 5+ yrs none
11-9171	Funeral Home Managers	n	n	n	n	↘	n	n	n	Associate's < 5 yrs none
11-9198	Personal Service Managers; Entertainment & Recreation Managers, Except Gambling; and Managers, All Other	1,334	1,489	155	11.6%	↑	33	69	118	Bachelor's < 5 yrs none
13-0000	Business and Financial Operations Occupations	35,091	38,315	3,224	9.2%		991	2,146	3,461	
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	n	n	n	n	↗	n	n	n	Bachelor's < 5 yrs none
13-1020	Buyers and Purchasing Agents	2,328	2,257	-71	-3.0%	↗	78	147	218	Bachelor's none Moderate OJT
13-1031	Claims Adjusters, Examiners, and Investigators	935	916	-19	-2.0%	↗	22	48	68	High School none Long OJT
13-1032	Insurance Appraisers, Auto Damage	n	n	n	n	↘	n	n	n	Postsecondary none Moderate OJT
13-1041	Compliance Officers	1,353	1,435	82	6.1%	↗	34	74	116	Bachelor's none Moderate OJT
13-1051	Cost Estimators	740	767	27	3.6%	↗	21	46	70	Bachelor's none Moderate OJT
13-1071	Human Resources Specialists	2,786	3,111	325	11.7%	↑	80	196	308	Bachelor's none none
13-1075	Labor Relations Specialists	141	131	-10	-7.1%	↓	4	9	12	Bachelor's < 5 yrs none
13-1081	Logisticians	777	1,037	260	33.5%	↑	19	59	104	Bachelor's none none
13-1111	Management Analysts	3,527	3,997	470	13.3%	↑	121	216	384	Bachelor's < 5 yrs none
13-1121	Meeting, Convention, and Event Planners	459	535	76	16.6%	↑	15	36	59	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
13-1131	Fundraisers	626	727	101	16.1%	↑	21	43	74	Bachelor's none none
13-1141	Compensation, Benefits, and Job Analysis Specialists	376	422	46	12.2%	↑	12	23	40	Bachelor's < 5 yrs none
13-1151	Training and Development Specialists	1,559	1,718	159	10.2%	↑	49	100	165	Bachelor's < 5 yrs none
13-1161	Market Research Analysts and Marketing Specialists	2,561	3,157	596	23.3%	↑	68	209	337	Bachelor's none none
13-1198	Project Management Specialists and Business Operations Specialists, All Other	5,143	5,425	282	5.5%	↗	122	259	409	Bachelor's none none
13-2011	Accountants and Auditors	5,748	6,244	496	8.6%	↑	167	355	572	Bachelor's none none
13-2020	Property Appraisers and Assessors	405	425	20	4.9%	↗	16	15	33	Bachelor's none Long OJT
13-2031	Budget Analysts	62	69	7	11.3%	↘	2	3	6	Bachelor's none none
13-2041	Credit Analysts	159	149	-10	-6.3%	↓	3	10	12	Bachelor's none none
13-2052	Personal Financial Advisors	1,206	1,350	144	11.9%	↑	29	63	106	Bachelor's none Long OJT
13-2053	Insurance Underwriters	287	282	-5	-1.7%	↓	6	15	21	Bachelor's none Moderate OJT
13-2061	Financial Examiners	145	151	6	4.1%	↘	4	7	12	Bachelor's none Long OJT
13-2071	Credit Counselors	464	516	52	11.2%	↑	10	27	42	Bachelor's none Moderate OJT
13-2072	Loan Officers	1,322	1,360	38	2.9%	↗	29	73	106	Bachelor's < 5 yr Moderate OJT
13-2081	Tax Examiners and Collectors, and Revenue Agents	317	330	13	4.1%	↗	13	14	28	Bachelor's none Moderate OJT
13-2082	Tax Preparers	390	401	11	2.8%	↗	22	22	45	High School none Moderate OJT
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	1,229	1,350	121	9.8%	↑	23	74	109	Bachelor's none none
15-0000	Computer and Mathematical Occupations	25,185	29,098	3,913	15.5%		570	1,338	2,299	
15-1211	Computer Systems Analysts	2,943	3,207	264	9.0%	↑	60	151	237	Bachelor's none none
15-1212	Information Security Analysts	576	793	217	37.7%	↑	11	38	71	Bachelor's < 5 yrs none
15-1221	Computer and Information Research Scientists	61	77	16	26.2%	↗	1	4	7	Master's none none
15-1231	Computer Network Support Specialists	728	806	78	10.7%	↑	14	41	63	Associate's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
15-1232	Computer User Support Specialists	2,958	3,210	252	8.5%	↑	58	163	246	Some College none none
15-1241	Computer Network Architects	462	506	44	9.5%	↑	7	22	33	Bachelor's 5+ yrs none
15-1244	Network and Computer Systems Administrators	2,301	2,434	133	5.8%	↗	40	112	165	Bachelor's none none
15-1245	Database Administrators and Architects	597	649	52	8.7%	↑	14	31	50	Bachelor's none none
15-1251	Computer Programmers	1,263	1,145	-118	-9.3%	↗	24	55	67	Bachelor's none none
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	10,430	12,916	2,486	23.8%	↑	271	572	1,092	Bachelor's none none
15-1257	Web Developers and Digital Interface Designers	707	798	91	12.9%	↑	18	37	64	Bachelor's none none
15-1299	Computer Occupations, All Other	1,347	1,505	158	11.7%	↑	33	70	119	Bachelor's none none
15-2011	Actuaries	61	76	15	24.6%	↗	1	3	6	Bachelor's none Long OJT
15-2021	Mathematicians	23	24	1	4.3%	↘	0	1	1	Master's none none
15-2031	Operations Research Analysts	513	663	150	29.2%	↑	13	26	54	Bachelor's none none
15-2041	Statisticians	75	105	30	40.0%	↗	2	4	9	Master's none none
15-2098	Data Scientists and Mathematical Science Occupations, All Other	140	184	44	31.4%	↗	3	8	15	Bachelor's none none
17-0000	Architecture and Engineering Occupations	13,767	15,018	1,251	9.1%		344	699	1,168	
17-1011	Architects, Except Landscape and Naval	218	232	14	6.4%	↘	6	10	17	Bachelor's none Intern/Residency
17-1012	Landscape Architects	25	25	0	0.0%	↓	1	1	2	Bachelor's none Intern/Residency
17-1021	Cartographers and Photogrammetrists	113	128	15	13.3%	↗	4	6	12	Bachelor's none none
17-1022	Surveyors	260	280	20	7.7%	↘	9	13	24	Bachelor's none Intern/Residency
17-2011	Aerospace Engineers	n	n	n	n	↓	n	n	n	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	98	102	4	4.1%	↘	2	4	6	Bachelor's none none
17-2051	Civil Engineers	1,418	1,612	194	13.7%	↑	30	76	125	Bachelor's none none
17-2061	Computer Hardware Engineers	194	204	10	5.2%	↘	4	9	14	Bachelor's none none
17-2071	Electrical Engineers	1,802	2,028	226	12.5%	↑	46	77	146	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
17-2072	Electronics Engineers, Except Computer	380	432	52	13.7%	↑	10	16	31	Bachelor's none none
17-2081	Environmental Engineers	245	257	12	4.9%	↘	6	12	19	Bachelor's none none
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	52	56	4	7.7%	↘	1	2	3	Bachelor's none none
17-2112	Industrial Engineers	1,887	2,206	319	16.9%	↑	45	82	159	Bachelor's none none
17-2121	Marine Engineers and Naval Architects	n	n	n	n	↘	n	n	n	Bachelor's none none
17-2131	Materials Engineers	71	76	5	7.0%	↘	2	3	5	Bachelor's none none
17-2141	Mechanical Engineers	2,532	2,756	224	8.8%	↑	45	109	176	Bachelor's none none
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	n	n	n	n	↘	n	n	n	Bachelor's none none
17-2161	Nuclear Engineers	n	n	n	n	↓	n	n	n	Bachelor's none none
17-2199	Engineers, All Other	334	344	10	3.0%	↘	7	14	22	Bachelor's none none
17-3011	Architectural and Civil Drafters	558	575	17	3.0%	↗	17	36	55	Associate's none none
17-3012	Electrical and Electronics Drafters	115	126	11	9.6%	↘	4	8	13	Associate's none none
17-3013	Mechanical Drafters	316	306	-10	-3.2%	↗	10	20	29	Associate's none none
17-3019	Drafters, All Other	n	n	n	n	↓	n	n	n	Associate's none none
17-3022	Civil Engineering Technologists and Technicians	n	n	n	n	↘	n	n	n	Associate's none none
17-3023	Electrical and Electronic Engineering Technologists and Technicians	727	734	7	1.0%	↗	22	45	68	Associate's none none
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	122	123	1	0.8%	↘	4	8	12	Associate's none none
17-3025	Environmental Engineering Technologists and Technicians	34	40	6	17.6%	↗	1	2	4	Associate's none none
17-3026	Industrial Engineering Technologists and Technicians	563	605	42	7.5%	↑	18	36	58	Associate's none none
17-3027	Mechanical Engineering Technologists and Technicians	713	771	58	8.1%	↑	22	46	74	Associate's none none
17-3031	Surveying and Mapping Technicians	281	301	20	7.1%	↗	10	25	37	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
17-3098	Calibration and Engineering Technologists and Technicians, Except Drafters, All Other	392	408	16	4.1%	↗	12	25	39	Associate's none none
19-0000	Life, Physical, and Social Science Occupations	5,106	5,614	508	9.9%		107	375	531	
19-1011	Animal Scientists	n	n	n	n	↗	n	n	n	Bachelor's none none
19-1012	Food Scientists and Technologists	n	n	n	n	↘	n	n	n	Bachelor's none none
19-1013	Soil and Plant Scientists	n	n	n	n	↘	n	n	n	Bachelor's none none
19-1021	Biochemists and Biophysicists	89	99	10	11.2%	↘	2	7	10	Doctorate/Prof none none
19-1022	Microbiologists	160	168	8	5.0%	↘	3	12	16	Bachelor's none none
19-1023	Zoologists and Wildlife Biologists	86	88	2	2.3%	↘	1	6	7	Bachelor's none none
19-1029	Biological Scientists, All Other	141	154	13	9.2%	↘	2	10	13	Bachelor's none none
19-1031	Conservation Scientists	89	96	7	7.9%	↘	2	7	10	Bachelor's none none
19-1032	Foresters	120	130	10	8.3%	↘	2	9	12	Bachelor's none none
19-1041	Epidemiologists	25	33	8	32.0%	↗	0	2	3	Master's none none
19-1042	Medical Scientists, Except Epidemiologists	270	315	45	16.7%	↗	4	17	25	Doctorate/Prof none none
19-2012	Physicists	95	103	8	8.4%	↘	2	5	8	Doctorate/Prof none none
19-2021	Atmospheric and Space Scientists	64	76	12	18.8%	↗	1	5	7	Bachelor's none none
19-2031	Chemists	256	306	50	19.5%	↗	4	21	30	Bachelor's none none
19-2032	Materials Scientists	123	134	11	8.9%	↘	2	10	13	Bachelor's none none
19-2041	Environmental Scientists and Specialists, Including Health	375	404	29	7.7%	↗	6	31	40	Bachelor's none none
19-2042	Geoscientists, Except Hydrologists and Geographers	131	142	11	8.4%	↘	2	11	14	Bachelor's none none
19-2043	Hydrologists	100	113	13	13.0%	↗	2	8	11	Bachelor's none none
19-2099	Physical Scientists, All Other	109	107	-2	-1.8%	↘	1	7	8	Bachelor's none none
19-3011	Economists	n	n	n	n	↘	n	n	n	Master's none none
19-3022	Survey Researchers	n	n	n	n	↘	n	n	n	Master's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
19-3031	Clinical, Counseling, and School Psychologists	454	498	44	9.7%	↑	12	19	35	Doctorate/Prof none Intern/Residency
19-3039	Psychologists, All Other	97	98	1	1.0%	↘	2	4	6	Master's none Intern/Residency
19-3041	Sociologists	n	n	n	n	↘	n	n	n	Master's none none
19-3051	Urban and Regional Planners	220	238	18	8.2%	↘	4	16	22	Master's none none
19-3091	Anthropologists and Archeologists	36	40	4	11.1%	↘	1	2	3	Master's none none
19-3092	Geographers	n	n	n	n	↓	n	n	n	Bachelor's none none
19-3093	Historians	n	n	n	n	↓	n	n	n	Master's none none
19-3094	Political Scientists	77	87	10	13.0%	↗	2	5	8	Master's none none
19-3099	Social Scientists and Related Workers, All Other	118	121	3	2.5%	↘	3	8	11	Bachelor's none none
19-4010	Agricultural and Food Science Technicians	20	23	3	15.0%	↗	0	2	2	Associate's none Moderate OJT
19-4021	Biological Technicians	470	505	35	7.4%	↑	12	49	65	Bachelor's none none
19-4031	Chemical Technicians	176	198	22	12.5%	↗	3	17	22	Associate's none Moderate OJT
19-4042	Environmental Science and Protection Technicians, Including Health	113	128	15	13.3%	↗	3	11	16	Associate's none none
19-4045	Geological and Hydrologic Technicians	38	40	2	5.3%	↘	1	4	5	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	49	53	4	8.2%	↘	1	5	6	Bachelor's none none
19-4071	Forest and Conservation Technicians	75	76	1	1.3%	↘	2	7	9	Associate's none none
19-4092	Forensic Science Technicians	49	55	6	12.2%	↗	1	5	7	Bachelor's none Moderate OJT
19-4099	Life, Physical, and Social Science Technicians, All Other	106	123	17	16.0%	↗	3	11	16	Associate's none none
19-5011	Occupational Health and Safety Specialists	540	606	66	12.2%	↑	16	25	48	Bachelor's none none
19-5012	Occupational Health and Safety Technicians	34	37	3	8.8%	↘	1	2	3	High School none Moderate OJT
21-0000	Community and Social Service Occupations	11,110	12,702	1,592	14.3%		408	766	1,332	
21-1012	Educational, Guidance, and Career Counselors and Advisors	2,055	2,282	227	11.0%	↑	71	128	222	Master's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
21-1013	Marriage and Family Therapists	37	41	4	10.8%	↘	1	2	3	Master's none Intern/Residency
21-1015	Rehabilitation Counselors	365	407	42	11.5%	↑	13	23	40	Master's none none
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	2,047	2,569	522	25.5%	↑	75	137	264	Bachelor's none none
21-1019	Counselors, All Other	62	68	6	9.7%	↘	2	4	7	Master's none none
21-1021	Child, Family, and School Social Workers	696	776	80	11.5%	↑	21	46	75	Bachelor's none none
21-1022	Healthcare Social Workers	626	686	60	9.6%	↑	18	42	66	Master's none Intern/Residency
21-1023	Mental Health and Substance Abuse Social Workers	466	538	72	15.5%	↑	14	32	53	Master's none Intern/Residency
21-1029	Social Workers, All Other	146	149	3	2.1%	↘	4	9	13	Bachelor's none none
21-1091	Health Education Specialists	253	296	43	17.0%	↑	9	19	32	Bachelor's none none
21-1092	Probation Officers and Correctional Treatment Specialists	238	243	5	2.1%	↘	5	14	19	Bachelor's none Short OJT
21-1093	Social and Human Service Assistants	1,881	2,224	343	18.2%	↑	82	155	271	High School none Short OJT
21-1094	Community Health Workers	283	355	72	25.4%	↑	11	22	40	High School none Short OJT
21-1099	Community and Social Service Specialists, All Other	559	656	97	17.4%	↑	21	42	73	Bachelor's none none
21-2011	Clergy	769	784	15	2.0%	↗	32	45	79	Bachelor's none Moderate OJT
21-2021	Directors, Religious Activities and Education	433	434	1	0.2%	↗	17	32	49	Bachelor's < 5 yrs none
21-2099	Religious Workers, All Other	194	194	0	0.0%	↗	12	14	26	Bachelor's none none
23-0000	Legal Occupations	3,952	4,358	406	10.3%		112	157	309	
23-1011	Lawyers	2,361	2,611	250	10.6%	↑	54	61	140	Doctorate/Prof none none
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	144	144	0	0.0%	↓	3	4	7	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	90	91	1	1.1%	↘	2	2	4	Doctorate/Prof 5+ yrs Short OJT
23-2011	Paralegals and Legal Assistants	1,170	1,324	154	13.2%	↑	48	84	147	Associate's none none
23-2091	Court Reporters	62	61	-1	-1.6%	↓	0	0	0	Postsecondary none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
23-2093	Title Examiners, Abstractors, and Searchers	n	n	n	n	↓	n	n	n	High School none Moderate OJT
23-2099	Legal Support Workers, All Other	72	73	1	1.4%	↘	3	4	7	Associate's none none
25-0000	Education, Training, and Library Occupations	40,809	44,361	3,552	8.7%		1,752	1,959	4,063	
25-1011	Business Teachers, Postsecondary	490	517	27	5.5%	↗	22	24	49	Doctorate/Prof none none
25-1021	Computer Science Teachers, Postsecondary	133	140	7	5.3%	↘	6	6	13	Doctorate/Prof none none
25-1022	Mathematical Science Teachers, Postsecondary	140	146	6	4.3%	↘	6	7	14	Doctorate/Prof none none
25-1032	Engineering Teachers, Postsecondary	141	157	16	11.3%	↘	7	7	16	Doctorate/Prof none none
25-1042	Biological Science Teachers, Postsecondary	324	364	40	12.3%	↑	15	16	35	Doctorate/Prof none none
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	57	60	3	5.3%	↘	3	3	6	Doctorate/Prof none none
25-1052	Chemistry Teachers, Postsecondary	68	72	4	5.9%	↘	3	3	6	Doctorate/Prof none none
25-1053	Environmental Science Teachers, Postsecondary	77	81	4	5.2%	↘	4	4	8	Doctorate/Prof none none
25-1054	Physics Teachers, Postsecondary	77	81	4	5.2%	↘	4	4	8	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	44	47	3	6.8%	↘	2	2	4	Doctorate/Prof none none
25-1063	Economics Teachers, Postsecondary	82	88	6	7.3%	↘	4	4	9	Doctorate/Prof none none
25-1064	Geography Teachers, Postsecondary	27	29	2	7.4%	↘	1	1	2	Doctorate/Prof none none
25-1065	Political Science Teachers, Postsecondary	91	98	7	7.7%	↘	4	4	9	Doctorate/Prof none none
25-1066	Psychology Teachers, Postsecondary	194	204	10	5.2%	↘	9	9	19	Doctorate/Prof none none
25-1067	Sociology Teachers, Postsecondary	76	81	5	6.6%	↘	4	4	8	Doctorate/Prof none none
25-1069	Social Sciences Teachers, Postsecondary, All Other	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1071	Health Specialties Teachers, Postsecondary	418	508	90	21.5%	↑	21	22	52	Doctorate/Prof < 5 yrs none
25-1072	Nursing Instructors and Teachers, Postsecondary	224	271	47	21.0%	↑	11	12	28	Master's < 5 yrs none
25-1081	Education Teachers, Postsecondary	318	338	20	6.3%	↗	15	15	32	Doctorate/Prof < 5 yrs none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	60	67	7	11.7%	↘	3	3	7	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	n	n	n	n	↘	n	n	n	Doctorate/Prof none none
25-1121	Art, Drama, and Music Teachers, Postsecondary	334	361	27	8.1%	↑	16	16	35	Master's none none
25-1122	Communications Teachers, Postsecondary	69	74	5	7.2%	↘	3	3	6	Doctorate/Prof none none
25-1123	English Language and Literature Teachers, Postsecondary	316	335	19	6.0%	↗	15	15	32	Doctorate/Prof none none
25-1124	Foreign Language and Literature Teachers, Postsecondary	241	260	19	7.9%	↘	11	12	25	Doctorate/Prof none none
25-1125	History Teachers, Postsecondary	103	111	8	7.8%	↘	5	5	11	Doctorate/Prof none none
25-1126	Philosophy and Religion Teachers, Postsecondary	125	137	12	9.6%	↘	6	6	13	Doctorate/Prof none none
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	26	28	2	7.7%	↘	1	1	2	Doctorate/Prof none none
25-1194	Career / Technical Education Teachers, Postsecondary	441	488	47	10.7%	↑	21	22	48	Bachelor's < 5 yrs none
25-1199	Postsecondary Teachers, All Other	203	213	10	4.9%	↘	9	10	20	Doctorate/Prof none none
25-2011	Preschool Teachers, Except Special Education	2,753	3,320	567	20.6%	↑	124	177	358	Associate's none none
25-2012	Kindergarten Teachers, Except Special Education	472	500	28	5.9%	↗	20	28	51	Bachelor's none none
25-2021	Elementary School Teachers, Except Special Education	6,321	6,679	358	5.7%	↗	200	260	496	Bachelor's none none
25-2022	Middle School Teachers, Except Special and Career/Technical Education	2,876	3,041	165	5.7%	↗	91	118	225	Bachelor's none none
25-2023	Career/Technical Education Teachers, Middle School	50	53	3	6.0%	↘	2	2	4	Bachelor's < 5 yrs none
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	4,237	4,491	254	6.0%	↗	116	177	318	Bachelor's none none
25-2032	Career/Technical Education Teachers, Secondary School	246	260	14	5.7%	↘	7	10	18	Bachelor's < 5 yrs none
25-2051	Special Education Teachers, Preschool	46	50	4	8.7%	↘	2	2	4	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,204	1,274	70	5.8%	↗	40	49	96	Bachelor's none none
25-2057	Special Education Teachers, Middle School	438	463	25	5.7%	↗	15	18	35	Bachelor's none none
25-2058	Special Education Teachers, Secondary School	522	553	31	5.9%	↗	18	21	42	Bachelor's none none
25-2059	Special Education Teachers, All Other	166	184	18	10.8%	↘	6	7	15	Bachelor's none none
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	183	186	3	1.6%	↘	11	10	21	Bachelor's none none
25-3021	Self-Enrichment Teachers	1,597	2,029	432	27.1%	↑	108	97	248	High School < 5 yrs none
25-3031	Substitute Teachers, Short-Term	1,646	1,825	179	10.9%	↑	104	93	215	Bachelor's none none
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	965	1,074	109	11.3%	↑	61	55	127	Bachelor's none none
25-4011	Archivists	30	35	5	16.7%	↗	2	2	4	Master's none none
25-4012	Curators	91	116	25	27.5%	↗	5	6	13	Master's none none
25-4013	Museum Technicians and Conservators	30	36	6	20.0%	↗	2	2	5	Bachelor's none none
25-4022	Librarians and Media Collections Specialists	1,047	1,122	75	7.2%	↗	53	47	108	Master's none none
25-4031	Library Technicians	633	616	-17	-2.7%	↗	51	39	88	Postsecondary none none
25-9031	Instructional Coordinators	632	684	52	8.2%	↑	32	29	66	Master's 5+ yrs none
25-9044	Teaching Assistants, Postsecondary	77	79	2	2.6%	↘	4	4	8	Bachelor's none none
25-9045	Teaching Assistants, Except Postsecondary	9,293	9,956	663	7.1%	↗	430	450	946	Some College none none
25-9099	Educational Instruction and Library Workers, All Other	255	275	20	7.8%	↑	13	12	27	Bachelor's none none
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	9,403	10,412	1,009	10.7%		377	626	1,103	
27-1011	Art Directors	239	259	20	8.4%	↑	12	13	27	Bachelor's 5+ yrs none
27-1012	Craft Artists	90	98	8	8.9%	↘	5	5	11	none none Long OJT
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	187	210	23	12.3%	↗	10	10	22	Bachelor's none Long OJT
27-1014	Special Effects Artists and Animators	82	92	10	12.2%	↗	4	4	9	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
27-1019	Artists and Related Workers, All Other	28	30	2	7.1%	↘	1	2	3	none none Long OJT
27-1021	Commercial and Industrial Designers	95	101	6	6.3%	↘	3	6	10	Bachelor's none none
27-1022	Fashion Designers	163	155	-8	-4.9%	↓	5	10	14	Bachelor's none none
27-1023	Floral Designers	273	214	-59	-21.6%	↓	7	14	15	High School none Moderate OJT
27-1024	Graphic Designers	952	962	10	1.1%	↗	29	57	87	Bachelor's none none
27-1025	Interior Designers	317	312	-5	-1.6%	↗	10	19	29	Bachelor's none none
27-1026	Merchandise Displayers and Window Trimmers	542	544	2	0.4%	↗	17	32	49	High School none Short OJT
27-1027	Set and Exhibit Designers	109	107	-2	-1.8%	↓	3	6	9	Bachelor's none none
27-1029	Designers, All Other	32	33	1	3.1%	↘	1	2	3	Bachelor's none none
27-2011	Actors	n	n	n	n	↗	n	n	n	Some College none Long OJT
27-2012	Producers and Directors	226	277	51	22.6%	↑	6	16	27	Bachelor's < 5 yrs none
27-2022	Coaches and Scouts	1,276	1,639	363	28.4%	↑	83	117	236	Bachelor's none none
27-2023	Umpires, Referees, and Other Sports Officials	43	71	28	65.1%	↗	3	5	11	High School none Moderate OJT
27-2032	Choreographers	49	67	18	36.7%	↗	4	6	12	High School 5+ yrs Long OJT
27-2041	Music Directors and Composers	118	123	5	4.2%	↘	7	7	14	Bachelor's < 5 yrs none
27-2042	Musicians and Singers	326	350	24	7.4%	↑	20	19	41	none none Long OJT
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	n	n	n	n	↗	n	n	n	none none Short OJT
27-3011	Broadcast Announcers and Radio Disk Jockeys	118	108	-10	-8.5%	↓	4	6	9	Bachelor's none none
27-3023	News Analysts, Reporters, and Journalists	128	123	-5	-3.9%	↓	4	10	14	Bachelor's none none
27-3031	Public Relations Specialists	1,123	1,246	123	11.0%	↑	30	78	120	Bachelor's none none
27-3041	Editors	243	247	4	1.6%	↘	8	15	23	Bachelor's < 5 yrs none
27-3042	Technical Writers	159	177	18	11.3%	↘	4	10	16	Bachelor's < 5 yrs Short OJT
27-3043	Writers and Authors	1,041	1,114	73	7.0%	↗	43	59	109	Bachelor's none Long OJT
27-3091	Interpreters and Translators	373	470	97	26.0%	↑	16	23	49	Bachelor's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
27-3099	Media and Communication Workers, All Other	n	n	n	n	↘	n	n	n	High School none Short OJT
27-4011	Audio and Video Technicians	176	209	33	18.8%	↗	5	14	22	Postsecondary none Short OJT
27-4012	Broadcast Technicians	116	119	3	2.6%	↘	3	9	12	Associate's none Short OJT
27-4014	Sound Engineering Technicians	n	n	n	n	↗	n	n	n	Postsecondary none Short OJT
27-4021	Photographers	215	246	31	14.4%	↗	8	13	24	High School none Moderate OJT
27-4031	Camera Operators, Television, Video, and Film	141	156	15	10.6%	↘	5	9	16	Bachelor's none none
27-4032	Film and Video Editors	163	200	37	22.7%	↗	6	11	21	Bachelor's none none
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	76	102	26	34.2%	↗	2	6	11	High School none Short OJT
29-0000	Healthcare Practitioners and Technical Occupations	40,771	45,573	4,802	11.8%		1,074	1,254	2,808	
29-1011	Chiropractors	186	207	21	11.3%	↘	3	2	7	Doctorate/Prof none none
29-1021	Dentists, General	438	478	40	9.1%	↘	8	4	16	Doctorate/Prof none none
29-1022	Oral and Maxillofacial Surgeons	n	n	n	n	↘	n	n	n	Doctorate/Prof none Intern/Residency
29-1023	Orthodontists	n	n	n	n	↘	n	n	n	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	336	373	37	11.0%	↗	12	12	28	Bachelor's none Intern/Residency
29-1041	Optometrists	214	235	21	9.8%	↘	4	3	9	Doctorate/Prof none none
29-1051	Pharmacists	1,315	1,311	-4	-0.3%	↗	24	25	49	Doctorate/Prof none none
29-1071	Physician Assistants	637	855	218	34.2%	↗	12	29	63	Master's none none
29-1081	Podiatrists	42	43	1	2.4%	↘	1	2	3	Doctorate/Prof none Intern/Residency
29-1122	Occupational Therapists	1,021	1,200	179	17.5%	↗	24	36	78	Master's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
29-1123	Physical Therapists	1,277	1,535	258	20.2%	↑	28	29	83	Doctorate/Prof none none
29-1124	Radiation Therapists	77	84	7	9.1%	↘	2	2	5	Associate's none none
29-1125	Recreational Therapists	49	50	1	2.0%	↘	2	2	4	Bachelor's none none
29-1126	Respiratory Therapists	406	496	90	22.2%	↑	10	11	30	Associate's none none
29-1127	Speech-Language Pathologists	925	1,188	263	28.4%	↑	25	38	89	Master's none Intern/Residency
29-1128	Exercise Physiologists	100	112	12	12.0%	↗	3	4	8	Bachelor's none none
29-1129	Therapists, All Other	n	n	n	n	↗	n	n	n	Bachelor's none none
29-1131	Veterinarians	699	862	163	23.3%	↑	12	12	40	Doctorate/Prof none none
29-1141	Registered Nurses	14,008	15,239	1,231	8.8%	↑	390	368	881	Associate's none none
29-1151	Nurse Anesthetists	202	230	28	13.9%	↗	4	6	13	Master's none none
29-1161	Nurse Midwives	60	67	7	11.7%	↘	1	2	4	Master's none none
29-1171	Nurse Practitioners	1,089	1,734	645	59.2%	↑	30	44	138	Master's none none
29-1181	Audiologists	53	64	11	20.8%	↗	1	1	3	Doctorate/Prof none none
29-1211	Anesthesiologists	180	181	1	0.6%	↓	3	2	5	Doctorate/Prof none Intern/Residency
29-1215	Family Medicine Physicians	748	791	43	5.7%	↘	12	9	25	Doctorate/Prof none Intern/Residency
29-1216	General Internal Medicine Physicians	233	228	-5	-2.1%	↓	4	3	7	Doctorate/Prof none Intern/Residency
29-1218	Obstetricians and Gynecologists	92	90	-2	-2.2%	↓	2	1	3	Doctorate/Prof none Intern/Residency
29-1221	Pediatricians, General	230	226	-4	-1.7%	↓	4	3	7	Doctorate/Prof none Intern/Residency
29-1223	Psychiatrists	132	152	20	15.2%	↗	2	2	6	Doctorate/Prof none Intern/Residency
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	1,802	1,898	96	5.3%	↗	30	21	61	Doctorate/Prof none Intern/Residency
29-1248	Surgeons, Except Ophthalmologists	465	447	-18	-3.9%	↓	7	5	10	Doctorate/Prof none Intern/Residency
29-1292	Dental Hygienists	1,451	1,624	173	11.9%	↑	55	38	110	Associate's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	146	163	17	11.6%	↘	7	2	11	Master's none none
29-2010	Clinical Laboratory Technologists and Technicians	716	768	52	7.3%	↑	19	28	52	Bachelor's none none
29-2031	Cardiovascular Technologists and Technicians	297	317	20	6.7%	↘	8	13	23	Associate's none none
29-2032	Diagnostic Medical Sonographers	238	279	41	17.2%	↗	7	11	22	Associate's none none
29-2033	Nuclear Medicine Technologists	66	70	4	6.1%	↘	2	3	5	Associate's none none
29-2034	Radiologic Technologists and Technicians	938	1,010	72	7.7%	↑	27	42	76	Associate's none none
29-2035	Magnetic Resonance Imaging Technologists	313	339	26	8.3%	↑	9	14	26	Associate's < 5 yrs none
29-2040	Emergency Medical Technicians and Paramedics	1,153	1,279	126	10.9%	↑	22	56	91	Postsecondary none none
29-2051	Dietetic Technicians	71	77	6	8.5%	↘	2	3	6	Associate's none none
29-2052	Pharmacy Technicians	1,897	2,070	173	9.1%	↑	54	85	156	High School none Moderate OJT
29-2053	Psychiatric Technicians	29	32	3	10.3%	↘	1	1	2	Postsecondary < 5 yrs Short OJT
29-2055	Surgical Technologists	440	474	34	7.7%	↑	12	20	35	Postsecondary none none
29-2056	Veterinary Technologists and Technicians	961	1,168	207	21.5%	↑	29	46	96	Associate's none none
29-2057	Ophthalmic Medical Technicians	376	427	51	13.6%	↑	11	17	33	Postsecondary none none
29-2061	Licensed Practical and Licensed Vocational Nurses	2,095	2,264	169	8.1%	↑	74	91	182	Postsecondary none none
29-2081	Opticians, Dispensing	331	356	25	7.6%	↑	14	12	28	High School none Long OJT
29-2091	Orthotists and Prosthetists	48	57	9	18.8%	↗	1	2	4	Master's none Intern/Residency
29-2092	Hearing Aid Specialists	n	n	n	n	↘	n	n	n	High School none Moderate OJT
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	1,278	1,384	106	8.3%	↑	36	57	104	Postsecondary none none
29-9091	Athletic Trainers	183	228	45	24.6%	↗	6	9	19	Bachelor's none none
29-9092	Genetic Counselors	n	n	n	n	↗	n	n	n	Master's none none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, & Healthcare Practitioners, AO	525	586	61	11.6%	↑	15	24	45	Postsecondary none none
31-0000	Healthcare Support Occupations	25,729	30,381	4,652	18.1%		1,638	1,726	3,831	
31-1120	Home Health and Personal Care Aides	8,408	10,965	2,557	30.4%	↑	620	548	1,424	High School none Short OJT
31-1131	Nursing Assistants	7,743	8,272	529	6.8%	↗	513	453	1,019	Postsecondary none none
31-1132	Orderlies	114	122	8	7.0%	↘	8	7	16	High School none Short OJT
31-1133	Psychiatric Aides	408	429	21	5.1%	↗	27	24	53	High School none Short OJT
31-2011	Occupational Therapy Assistants	189	261	72	38.1%	↑	11	16	34	Associate's none none
31-2012	Occupational Therapy Aides	n	n	n	n	↗	n	n	n	High School none Short OJT
31-2021	Physical Therapist Assistants	334	453	119	35.6%	↑	17	30	59	Associate's none none
31-2022	Physical Therapist Aides	110	136	26	23.6%	↗	5	9	17	High School none Short OJT
31-9011	Massage Therapists	2,000	2,368	368	18.4%	↑	128	114	279	Postsecondary none none
31-9091	Dental Assistants	1,171	1,311	140	12.0%	↑	56	87	157	Postsecondary none none
31-9092	Medical Assistants	2,864	3,399	535	18.7%	↑	128	234	416	Postsecondary none none
31-9093	Medical Equipment Preparers	318	340	22	6.9%	↗	18	22	42	High School none Moderate OJT
31-9094	Medical Transcriptionists	326	337	11	3.4%	↗	17	29	47	Postsecondary none none
31-9095	Pharmacy Aides	n	n	n	n	↓	n	n	n	High School none Short OJT
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	480	580	100	20.8%	↑	26	58	94	High School none Short OJT
31-9097	Phlebotomists	719	839	120	16.7%	↑	34	57	103	Postsecondary none none
31-9099	Healthcare Support Workers, All Other	401	447	46	11.5%	↑	24	28	57	High School none none
33-0000	Protective Service Occupations	12,174	13,157	983	8.1%		556	752	1,407	
33-1011	First-Line Supervisors of Correctional Officers	110	111	1	0.9%	↘	4	5	9	High School < 5 yrs none
33-1012	First-Line Supervisors of Police and Detectives	586	634	48	8.2%	↑	14	25	44	High School < 5 yrs Moderate OJT
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	430	471	41	9.5%	↑	11	18	33	Postsecondary < 5 yrs Moderate OJT

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OCCUPATIONAL PROJECTIONS

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							Exits	Transfers	Total	
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	209	221	12	5.7%	↘	8	12	21	High School < 5 yrs none
33-2011	Firefighters	2,453	2,669	216	8.8%	↑	56	132	210	Postsecondary none Long OJT
33-2021	Fire Inspectors and Investigators	37	39	2	5.4%	↘	2	2	4	Postsecondary 5+ yrs Moderate OJT
33-2022	Forest Fire Inspectors and Prevention Specialists	36	44	8	22.2%	↗	2	2	5	High School < 5 yrs Moderate OJT
33-3011	Bailiffs	67	69	2	3.0%	↘	3	4	7	High School none Moderate OJT
33-3012	Correctional Officers and Jailers	1,164	1,109	-55	-4.7%	↗	43	62	99	High School none Moderate OJT
33-3021	Detectives and Criminal Investigators	374	390	16	4.3%	↗	10	18	30	High School < 5 yrs Moderate OJT
33-3031	Fish and Game Wardens	n	n	n	n	↓	n	n	n	Bachelor's none Moderate OJT
33-3041	Parking Enforcement Workers	60	42	-18	-30.0%	↓	3	2	3	High School none Short OJT
33-3051	Police and Sheriff's Patrol Officers	2,805	3,011	206	7.3%	↑	73	148	242	High School none Moderate OJT
33-9011	Animal Control Workers	50	53	3	6.0%	↘	2	3	5	High School none Moderate OJT
33-9021	Private Detectives and Investigators	154	170	16	10.4%	↘	4	10	16	High School < 5 yrs Moderate OJT
33-9031	Gaming Surveillance Officers and Gaming Investigators	n	n	n	n	↗	n	n	n	High School < 5 yrs Moderate OJT
33-9032	Security Guards	2,278	2,526	248	10.9%	↑	127	186	338	High School none Short OJT
33-9091	Crossing Guards	488	594	106	21.7%	↑	79	28	118	none none Short OJT
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	274	342	68	24.8%	↑	42	34	83	none none Short OJT
33-9093	Transportation Security Screeners	87	84	-3	-3.4%	↓	3	4	7	High School none Short OJT
33-9098	School Bus Monitors and Protective Service Workers, All Other	461	525	64	13.9%	↑	68	55	129	High School none Short OJT
35-0000	Food Preparation and Serving Related Occupations	48,311	58,426	10,115	20.9%		3,973	5,427	10,413	
35-1011	Chefs and Head Cooks	703	871	168	23.9%	↑	24	77	118	High School 5+ yrs none
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	3,319	3,999	680	20.5%	↑	163	373	604	High School < 5 yrs none
35-2011	Cooks, Fast Food	1,235	1,218	-17	-1.4%	↗	72	105	175	none none Short OJT

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SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
35-2012	Cooks, Institution and Cafeteria	1,514	1,602	88	5.8%	↗	92	133	234	none none Short OJT
35-2013	Cooks, Private Household	152	153	1	0.7%	↘	9	13	22	Postsecondary < 5 yrs none
35-2014	Cooks, Restaurant	4,741	7,168	2,427	51.2%	↑	350	510	1,103	none < 5 yrs Moderate OJT
35-2015	Cooks, Short Order	2,540	2,799	259	10.2%	↑	157	228	411	none none Short OJT
35-2019	Cooks, All Other	n	n	n	n	↘	n	n	n	none none Moderate OJT
35-2021	Food Preparation Workers	2,708	2,947	239	8.8%	↑	222	260	506	none none Short OJT
35-3011	Bartenders	2,963	3,945	982	33.1%	↑	156	418	672	none none Short OJT
35-3023	Fast Food and Counter Workers	13,393	15,450	2,057	15.4%	↑	1,398	1,525	3,129	none none Short OJT
35-3031	Waiters and Waitresses	8,735	10,587	1,852	21.2%	↑	709	1,154	2,048	none none Short OJT
35-3041	Food Servers, Nonrestaurant	1,201	1,337	136	11.3%	↑	100	99	213	none none Short OJT
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,488	1,924	436	29.3%	↑	147	148	339	none none Short OJT
35-9021	Dishwashers	1,991	2,370	379	19.0%	↑	164	182	384	none none Short OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,424	1,801	377	26.5%	↑	191	182	411	none none Short OJT
35-9099	Food Preparation and Serving Related Workers, All Other	177	227	50	28.2%	↑	17	18	40	none none Short OJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations	24,571	26,282	1,711	7.0%		1,395	1,884	3,449	
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,050	1,095	45	4.3%	↗	46	74	124	High School < 5 yrs none
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	1,314	1,375	61	4.6%	↗	42	96	144	High School < 5 yrs none
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	9,462	10,013	551	5.8%	↗	608	682	1,345	none none Short OJT
37-2012	Maids and Housekeeping Cleaners	4,817	5,242	425	8.8%	↑	342	324	708	none none Short OJT
37-2019	Building Cleaning Workers, All Other	n	n	n	n	↗	n	n	n	none none Short OJT
37-2021	Pest Control Workers	279	304	25	9.0%	↑	8	31	41	High School none Moderate OJT
37-3011	Landscaping and Groundskeeping Workers	6,758	7,315	557	8.2%	↑	303	603	962	none none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	120	136	16	13.3%	↗	6	11	19	High School none Moderate OJT
37-3013	Tree Trimmers and Pruners	429	452	23	5.4%	↗	19	38	59	High School none Short OJT
37-3019	Grounds Maintenance Workers, All Other	n	n	n	n	↘	n	n	n	none none Short OJT
39-0000	Personal Care and Service Occupations	17,608	21,759	4,151	23.6%		1,184	1,520	3,116	
39-1013	First-Line Supervisors of Gambling Services Workers	33	42	9	27.3%	↗	1	3	5	High School < 5 yrs none
39-1098	First-Line Supervisors of Personal Service & Entertainment and Recreation Workers, Exc Gambling Services	970	1,203	233	24.0%	↑	40	75	138	High School < 5 yrs none
39-2011	Animal Trainers	182	227	45	24.7%	↑	10	15	29	High School none Moderate OJT
39-2021	Animal Caretakers	1,564	2,204	640	40.9%	↑	121	156	341	High School none Short OJT
39-3011	Gambling Dealers	240	304	64	26.7%	↑	15	24	45	High School none Short OJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	103	199	96	93.2%	↑	19	15	44	none none Short OJT
39-3091	Amusement and Recreation Attendants	1,190	1,620	430	36.1%	↑	137	157	337	none none Short OJT
39-4011	Embalmers	n	n	n	n	↘	n	n	n	Associate's none Long OJT
39-4021	Funeral Attendants	100	105	5	5.0%	↘	6	8	14	High School none Short OJT
39-4031	Morticians, Undertakers, and Funeral Arrangers	84	89	5	6.0%	↘	4	6	10	Associate's none Long OJT
39-5011	Barbers	646	723	77	11.9%	↑	26	39	73	Postsecondary none none
39-5012	Hairdressers, Hairstylists, and Cosmetologists	3,482	4,155	673	19.3%	↑	202	212	481	Postsecondary none none
39-5092	Manicurists and Pedicurists	399	542	143	35.8%	↑	24	25	63	Postsecondary none none
39-5093	Shampooers	n	n	n	n	↗	n	n	n	none none Short OJT
39-5094	Skincare Specialists	340	447	107	31.5%	↑	20	21	52	Postsecondary none none
39-6011	Baggage Porters and Bellhops	n	n	n	n	↗	n	n	n	High School none Short OJT
39-6012	Concierges	37	42	5	13.5%	↗	2	3	5	High School none Moderate OJT
39-7010	Tour and Travel Guides	198	283	85	42.9%	↑	15	22	45	High School none Moderate OJT
39-9011	Childcare Workers	3,555	3,823	268	7.5%	↑	248	258	533	High School none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
39-9031	Exercise Trainers and Group Fitness Instructors	2,008	2,869	861	42.9%	↑	143	232	461	High School none Short OJT
39-9032	Recreation Workers	1,861	2,154	293	15.7%	↑	118	191	338	High School none Short OJT
39-9041	Residential Advisors	521	611	90	17.3%	↑	28	51	88	High School none Short OJT
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	53	67	14	26.4%	↗	3	4	8	High School none Short OJT
41-0000	Sales and Related Occupations	75,522	73,757	-1,765	-2.3%		3,940	5,978	9,743	
41-1011	First-Line Supervisors of Retail Sales Workers	7,885	7,396	-489	-6.2%	↗	270	529	750	High School < 5 yrs none
41-1012	First-Line Supervisors of Non-Retail Sales Workers	2,318	2,245	-73	-3.1%	↗	66	136	195	High School < 5 yrs none
41-2011	Cashiers	20,437	18,535	-1,902	-9.3%	↗	1,658	1,866	3,334	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	2,071	2,267	196	9.5%	↑	97	149	266	none none Short OJT
41-2022	Parts Salespersons	1,207	1,305	98	8.1%	↑	53	96	159	none none Moderate OJT
41-2031	Retail Salespersons	20,854	20,030	-824	-4.0%	↗	1,143	1,688	2,749	none none Short OJT
41-3011	Advertising Sales Agents	321	308	-13	-4.0%	↗	10	29	38	High School none Moderate OJT
41-3021	Insurance Sales Agents	2,642	2,826	184	7.0%	↗	91	153	262	High School none Moderate OJT
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,457	1,594	137	9.4%	↑	34	96	144	Bachelor's none Moderate OJT
41-3041	Travel Agents	261	257	-4	-1.5%	↗	13	17	30	High School none Moderate OJT
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	4,223	4,597	374	8.9%	↑	111	388	536	High School none Moderate OJT
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	2,306	2,539	233	10.1%	↑	72	164	259	Bachelor's none Moderate OJT
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	7,119	7,427	308	4.3%	↗	215	491	737	High School none Moderate OJT
41-9011	Demonstrators and Product Promoters	149	155	6	4.0%	↗	17	10	28	none none Short OJT
41-9021	Real Estate Brokers	226	239	13	5.8%	↘	10	10	21	High School < 5 yrs none

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
41-9022	Real Estate Sales Agents	565	598	33	5.8%	↗	24	26	53	High School none Moderate OJT
41-9031	Sales Engineers	456	492	36	7.9%	↑	10	39	53	Bachelor's none Moderate OJT
41-9041	Telemarketers	539	458	-81	-15.0%	↗	23	51	66	none none Short OJT
41-9099	Sales and Related Workers, All Other	n	n	n	n	↗	n	n	n	High School none none
43-0000	Office and Administrative Support Occupations	92,899	90,838	-2,061	-2.2%		4,429	5,623	9,844	
43-1011	First-Line Supervisors of Office and Administrative Support Workers	7,439	7,411	-28	-0.4%	↗	276	454	727	High School < 5 yrs none
43-2011	Switchboard Operators, Including Answering Service	307	240	-67	-21.8%	↓	14	16	23	High School none Short OJT
43-3011	Bill and Account Collectors	1,432	1,343	-89	-6.2%	↗	51	98	140	High School none Moderate OJT
43-3021	Billing and Posting Clerks	2,289	2,341	52	2.3%	↗	95	142	242	High School none Moderate OJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	8,125	8,025	-100	-1.2%	↗	473	412	875	Some College none Moderate OJT
43-3051	Payroll and Timekeeping Clerks	676	599	-77	-11.4%	↗	30	35	57	High School none Moderate OJT
43-3061	Procurement Clerks	271	256	-15	-5.5%	↓	7	17	22	High School none Moderate OJT
43-3071	Tellers	1,685	1,413	-272	-16.1%	↗	63	97	133	High School none Short OJT
43-3099	Financial Clerks, All Other	75	77	2	2.7%	↘	3	5	8	High School none Short OJT
43-4011	Brokerage Clerks	n	n	n	n	↗	n	n	n	High School none Moderate OJT
43-4021	Correspondence Clerks	n	n	n	n	↓	n	n	n	High School none Short OJT
43-4031	Court, Municipal, and License Clerks	476	509	33	6.9%	↗	24	25	52	High School none Long OJT
43-4041	Credit Authorizers, Checkers, and Clerks	82	81	-1	-1.2%	↓	3	5	8	High School none Moderate OJT
43-4051	Customer Service Representatives	11,095	10,831	-264	-2.4%	↗	515	862	1,351	High School none Short OJT
43-4061	Eligibility Interviewers, Government Programs	558	592	34	6.1%	↗	21	30	54	High School none Moderate OJT
43-4071	File Clerks	201	174	-27	-13.4%	↓	10	12	19	High School none Short OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	888	1,040	152	17.1%	↑	56	102	173	High School none Short OJT
43-4111	Interviewers, Except Eligibility and Loan	1,311	1,272	-39	-3.0%	↗	75	83	154	High School none Short OJT
43-4121	Library Assistants, Clerical	830	809	-21	-2.5%	↗	73	52	123	High School none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
43-4131	Loan Interviewers and Clerks	980	970	-10	-1.0%	↗	28	57	84	High School none Short OJT
43-4141	New Accounts Clerks	410	340	-70	-17.1%	↗	12	24	29	High School none Moderate OJT
43-4151	Order Clerks	509	409	-100	-19.6%	↗	20	29	39	Some College none Short OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	669	676	7	1.0%	↗	26	41	68	Associate's none none
43-4171	Receptionists and Information Clerks	4,467	4,730	263	5.9%	↗	257	318	601	High School none Short OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	224	266	42	18.8%	↑	9	17	30	High School none Short OJT
43-4199	Information and Record Clerks, All Other	267	274	7	2.6%	↗	11	18	30	High School none Short OJT
43-5011	Cargo and Freight Agents	369	418	49	13.3%	↑	15	23	43	High School none Short OJT
43-5021	Couriers and Messengers	752	692	-60	-8.0%	↗	30	39	63	High School none Short OJT
43-5031	Public Safety Telecommunicators	676	724	48	7.1%	↗	25	39	69	High School none Moderate OJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	734	731	-3	-0.4%	↗	26	41	67	High School none Moderate OJT
43-5041	Meter Readers, Utilities	49	46	-3	-6.1%	↓	1	2	3	High School none Short OJT
43-5051	Postal Service Clerks	573	530	-43	-7.5%	↗	25	20	41	High School none Short OJT
43-5052	Postal Service Mail Carriers	1,545	1,426	-119	-7.7%	↗	52	53	93	High School none Short OJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	655	575	-80	-12.2%	↗	34	20	46	High School none Short OJT
43-5061	Production, Planning, and Expediting Clerks	1,242	1,332	90	7.2%	↑	46	84	139	High School none Moderate OJT
43-5071	Shipping, Receiving, and Inventory Clerks	4,021	3,859	-162	-4.0%	↗	144	232	360	High School none Short OJT
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	204	222	18	8.8%	↘	8	12	22	High School none Short OJT
43-6011	Executive Secretaries and Executive Administrative Assistants	1,553	1,269	-284	-18.3%	↗	72	79	123	High School < 5 yrs none
43-6012	Legal Secretaries and Administrative Assistants	576	461	-115	-20.0%	↗	26	29	43	High School none Moderate OJT
43-6013	Medical Secretaries and Administrative Assistants	3,378	3,755	377	11.2%	↑	182	199	419	High School none Moderate OJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	10,434	9,650	-784	-7.5%	↗	511	561	994	High School none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
43-9021	Data Entry Keyers	1,008	782	-226	-22.4%	↗	40	57	74	High School none Short OJT
43-9022	Word Processors and Typists	69	50	-19	-27.5%	↓	4	3	5	High School none Short OJT
43-9031	Desktop Publishers	n	n	n	n	↓	n	n	n	Associate's none Short OJT
43-9041	Insurance Claims and Policy Processing Clerks	1,254	1,258	4	0.3%	↗	44	74	118	High School none Moderate OJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	355	328	-27	-7.6%	↗	17	21	35	High School none Short OJT
43-9061	Office Clerks, General	16,772	16,646	-126	-0.8%	↗	912	991	1,890	High School none Short OJT
43-9071	Office Machine Operators, Except Computer	426	379	-47	-11.0%	↗	21	24	40	High School none Short OJT
43-9081	Proofreaders and Copy Markers	41	43	2	4.9%	↘	3	3	6	Bachelor's none none
43-9111	Statistical Assistants	n	n	n	n	↘	n	n	n	Bachelor's none none
43-9199	Office and Administrative Support Workers, All Other	361	397	36	10.0%	↑	16	26	46	High School none Short OJT
45-0000	Farming, Fishing, and Forestry Occupations	3,838	4,065	227	5.9%		165	449	638	
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	214	232	18	8.4%	↑	8	23	33	High School < 5 yrs none
45-2011	Agricultural Inspectors	n	n	n	n	↓	n	n	n	Bachelor's none Moderate OJT
45-2021	Animal Breeders	22	25	3	13.6%	↗	1	3	4	High School none Short OJT
45-2041	Graders and Sorters, Agricultural Products	41	41	0	0.0%	↓	2	4	6	none none Short OJT
45-2091	Agricultural Equipment Operators	226	263	37	16.4%	↑	10	28	42	none none Moderate OJT
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,108	2,219	111	5.3%	↗	92	247	350	none none Short OJT
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	844	901	57	6.8%	↗	37	100	143	none none Short OJT
45-2099	Agricultural Workers, All Other	20	22	2	10.0%	↘	1	2	3	none none Short OJT
45-4011	Forest and Conservation Workers	39	37	-2	-5.1%	↓	2	4	6	High School none Moderate OJT
45-4021	Fallers	n	n	n	n	↓	n	n	n	High School none Moderate OJT
45-4022	Logging Equipment Operators	240	247	7	2.9%	↗	9	28	38	High School none Moderate OJT
45-4023	Log Graders and Scalers	55	50	-5	-9.1%	↓	2	6	8	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
45-4029	Logging Workers, All Other	n	n	n	n	↓	n	n	n	High School none Moderate OJT
47-0000	Construction and Extraction Occupations	25,420	27,272	1,852	7.3%		799	1,780	2,769	
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	2,722	2,927	205	7.5%	↑	80	183	283	High School 5+ yrs none
47-2011	Boilermakers	n	n	n	n	↓	n	n	n	High School none Apprenticeship
47-2021	Brickmasons and Blockmasons	289	284	-5	-1.7%	↗	9	18	27	High School none Apprenticeship
47-2022	Stonemasons	131	131	0	0.0%	↓	4	8	12	High School none Apprenticeship
47-2031	Carpenters	4,077	4,232	155	3.8%	↗	121	259	396	High School none Apprenticeship
47-2041	Carpet Installers	113	108	-5	-4.4%	↓	3	6	9	none none Short OJT
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	n	n	n	n	↗	n	n	n	none none Moderate OJT
47-2043	Floor Sanders and Finishers	n	n	n	n	↘	n	n	n	none none Moderate OJT
47-2044	Tile and Stone Setters	69	76	7	10.1%	↘	2	4	7	none none Long OJT
47-2051	Cement Masons and Concrete Finishers	235	241	6	2.6%	↘	6	16	23	none none Moderate OJT
47-2061	Construction Laborers	3,552	3,909	357	10.1%	↑	110	252	398	none none Short OJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	256	275	19	7.4%	↑	9	19	30	High School none Moderate OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	1,375	1,484	109	7.9%	↑	47	102	160	High School none Moderate OJT
47-2081	Drywall and Ceiling Tile Installers	424	454	30	7.1%	↗	11	25	39	none none Moderate OJT
47-2082	Tapers	n	n	n	n	↘	n	n	n	none none Moderate OJT
47-2111	Electricians	2,968	3,297	329	11.1%	↑	91	230	354	High School none Apprenticeship
47-2121	Glaziers	276	291	15	5.4%	↗	8	22	32	High School none Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	215	231	16	7.4%	↘	5	15	22	none none Short OJT
47-2141	Painters, Construction and Maintenance	1,274	1,367	93	7.3%	↑	40	73	122	none none Moderate OJT
47-2151	Pipelayers	53	52	-1	-1.9%	↓	2	4	6	none none Short OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	1,912	2,048	136	7.1%	↗	58	142	214	High School none Apprenticeship
47-2161	Plasterers and Stucco Masons	n	n	n	n	↘	n	n	n	none none Long OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
47-2181	Roofers	250	267	17	6.8%	↗	6	18	26	none none Moderate OJT
47-2211	Sheet Metal Workers	502	536	34	6.8%	↗	14	34	51	High School none Apprenticeship
47-2221	Structural Iron and Steel Workers	175	191	16	9.1%	↘	5	14	21	High School none Apprenticeship
47-2231	Solar Photovoltaic Installers	n	n	n	n	↗	n	n	n	High School none Moderate OJT
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	155	153	-2	-1.3%	↓	4	14	18	none none Short OJT
47-3012	Helpers--Carpenters	163	169	6	3.7%	↘	5	14	20	none none Short OJT
47-3013	Helpers--Electricians	152	155	3	2.0%	↘	4	13	17	High School none Short OJT
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	192	207	15	7.8%	↑	6	18	26	High School none Short OJT
47-3016	Helpers--Roofers	n	n	n	n	↘	n	n	n	none none Short OJT
47-3019	Helpers, Construction Trades, All Other	86	93	7	8.1%	↘	3	8	12	none none Short OJT
47-4011	Construction and Building Inspectors	468	456	-12	-2.6%	↗	25	28	52	High School 5+ yrs Moderate OJT
47-4021	Elevator and Escalator Installers and Repairers	n	n	n	n	↘	n	n	n	High School none Apprenticeship
47-4031	Fence Erectors	n	n	n	n	↘	n	n	n	none none Moderate OJT
47-4041	Hazardous Materials Removal Workers	n	n	n	n	↑	n	n	n	High School none Moderate OJT
47-4051	Highway Maintenance Workers	1,577	1,670	93	5.9%	↗	64	102	175	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	164	188	24	14.6%	↗	6	14	22	High School none Moderate OJT
47-4090	Miscellaneous Construction and Related Workers	73	80	7	9.6%	↘	2	6	9	High School none Moderate OJT
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	n	n	n	n	↑	n	n	n	High School < 5 yrs Moderate OJT
47-5051	Rock Splitters, Quarry	n	n	n	n	↓	n	n	n	none none Short OJT
47-5081	Helpers--Extraction Workers	109	120	11	10.1%	↘	4	10	15	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	207	225	18	8.7%	↑	7	18	27	High School < 5 yrs Long OJT
49-0000	Installation, Maintenance, and Repair Occupations	25,159	27,266	2,107	8.4%		815	1,681	2,705	
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	2,151	2,323	172	8.0%	↑	65	133	215	High School < 5 yrs none
49-2011	Computer, Automated Teller, and Office Machine Repairers	653	636	-17	-2.6%	↗	20	49	67	Some College none Short OJT
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	n	n	n	n	↘	n	n	n	Associate's none Moderate OJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	639	652	13	2.0%	↗	22	50	73	Postsecondary none Moderate OJT
49-2091	Avionics Technicians	55	58	3	5.5%	↘	1	2	3	Associate's none none
49-2092	Electric Motor, Power Tool, and Related Repairers	n	n	n	n	↘	n	n	n	High School < 5 yrs Moderate OJT
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31	28	-3	-9.7%	↓	1	2	3	Postsecondary none Long OJT
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	328	356	28	8.5%	↑	9	17	29	Postsecondary none Long OJT
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	n	n	n	n	↓	n	n	n	Postsecondary < 5 yrs Moderate OJT
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	n	n	n	n	↓	n	n	n	High School none Moderate OJT
49-2097	Audiovisual Equipment Installers and Repairers	n	n	n	n	↘	n	n	n	Postsecondary none Short OJT
49-2098	Security and Fire Alarm Systems Installers	331	379	48	14.5%	↑	8	27	40	High School none Moderate OJT
49-3011	Aircraft Mechanics and Service Technicians	333	382	49	14.7%	↑	10	19	34	Postsecondary none none
49-3021	Automotive Body and Related Repairers	795	851	56	7.0%	↗	26	49	81	High School none Long OJT
49-3022	Automotive Glass Installers and Repairers	127	140	13	10.2%	↘	4	10	15	High School none Moderate OJT
49-3023	Automotive Service Technicians and Mechanics	3,871	3,986	115	3.0%	↗	117	266	395	Postsecondary none Short OJT
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,061	1,162	101	9.5%	↑	32	69	111	High School none Long OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
49-3041	Farm Equipment Mechanics and Service Technicians	112	130	18	16.1%	↗	4	8	14	High School none Long OJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	550	635	85	15.5%	↑	18	40	66	High School none Long OJT
49-3043	Rail Car Repairers	n	n	n	n	↗	n	n	n	High School none Long OJT
49-3051	Motorboat Mechanics and Service Technicians	138	167	29	21.0%	↗	7	10	20	High School none Long OJT
49-3052	Motorcycle Mechanics	215	244	29	13.5%	↑	10	15	28	Postsecondary none Short OJT
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	321	341	20	6.2%	↗	14	22	38	High School none Moderate OJT
49-3091	Bicycle Repairers	90	97	7	7.8%	↘	3	8	12	High School none Moderate OJT
49-3092	Recreational Vehicle Service Technicians	114	136	22	19.3%	↗	4	10	16	High School none Long OJT
49-3093	Tire Repairers and Changers	568	600	32	5.6%	↗	18	48	69	High School none Short OJT
49-9011	Mechanical Door Repairers	125	150	25	20.0%	↗	3	8	13	High School none Moderate OJT
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	88	91	3	3.4%	↘	2	5	7	High School none Moderate OJT
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2,302	2,429	127	5.5%	↗	61	161	235	Postsecondary none Long OJT
49-9031	Home Appliance Repairers	165	161	-4	-2.4%	↓	6	10	16	High School none Moderate OJT
49-9041	Industrial Machinery Mechanics	2,033	2,506	473	23.3%	↑	70	123	240	High School none Long OJT
49-9043	Maintenance Workers, Machinery	193	215	22	11.4%	↘	7	11	20	High School none Long OJT
49-9044	Millwrights	68	71	3	4.4%	↘	2	4	6	High School none Apprenticeship
49-9051	Electrical Power-Line Installers and Repairers	922	941	19	2.1%	↗	18	63	83	High School none Long OJT
49-9052	Telecommunications Line Installers and Repairers	244	255	11	4.5%	↗	6	21	28	High School none Long OJT
49-9062	Medical Equipment Repairers	190	206	16	8.4%	↘	9	12	23	Associate's none Moderate OJT
49-9063	Musical Instrument Repairers and Tuners	n	n	n	n	↘	n	n	n	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	62	64	2	3.2%	↘	3	4	7	High School none Long OJT
49-9071	Maintenance and Repair Workers, General	4,917	5,436	519	10.6%	↑	182	302	536	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
49-9081	Wind Turbine Service Technicians	n	n	n	n	↗	n	n	n	Postsecondary none Long OJT
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	n	n	n	n	↗	n	n	n	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	n	n	n	n	↓	n	n	n	High School none Long OJT
49-9095	Manufactured Building and Mobile Home Installers	86	68	-18	-20.9%	↓	3	5	6	High School none Short OJT
49-9096	Riggers	47	48	1	2.1%	↘	1	4	5	High School none Moderate OJT
49-9097	Signal and Track Switch Repairers	n	n	n	n	↗	n	n	n	High School none Moderate OJT
49-9098	Helpers--Installation, Maintenance, and Repair Workers	567	612	45	7.9%	↑	25	49	78	High School none Short OJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	262	288	26	9.9%	↑	10	18	31	High School none Moderate OJT
51-0000	Production Occupations	41,430	41,069	-361	-0.9%		1,556	2,926	4,448	
51-1011	First-Line Supervisors of Production and Operating Workers	2,974	3,102	128	4.3%	↗	91	204	308	High School < 5 yrs none
51-2021	Coil Winders, Tapers, and Finishers	128	108	-20	-15.6%	↓	5	8	11	High School none Moderate OJT
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	3,298	3,552	254	7.7%	↑	138	219	382	High School none Moderate OJT
51-2031	Engine and Other Machine Assemblers	65	56	-9	-13.8%	↓	2	4	5	High School none Moderate OJT
51-2041	Structural Metal Fabricators and Fitters	145	132	-13	-9.0%	↓	3	11	13	High School none Moderate OJT
51-2051	Fiberglass Laminators and Fabricators	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-2090	Miscellaneous Assemblers and Fabricators	5,330	4,772	-558	-10.5%	↗	193	360	497	High School none Moderate OJT
51-3011	Bakers	880	1,028	148	16.8%	↑	53	71	139	none none Long OJT
51-3021	Butchers and Meat Cutters	530	524	-6	-1.1%	↗	21	39	59	none none Long OJT
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	n	n	n	n	↓	n	n	n	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	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	210	218	8	3.8%	↘	8	16	25	none none Moderate OJT
51-3092	Food Batchmakers	330	356	26	7.9%	↑	16	26	45	High School none Moderate OJT
51-3093	Food Cooking Machine Operators and Tenders	31	34	3	9.7%	↘	2	3	5	High School none Moderate OJT
51-3099	Food Processing Workers, All Other	118	129	11	9.3%	↘	4	8	13	none none Moderate OJT
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	n	n	n	n	↗	n	n	n	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	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	604	585	-19	-3.1%	↗	19	41	58	High School none Moderate OJT
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	36	29	-7	-19.4%	↓	1	2	2	High School none Moderate OJT
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	694	669	-25	-3.6%	↗	31	47	76	High School none Moderate OJT
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	65	61	-4	-6.2%	↓	2	4	6	High School none Moderate OJT
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	43	35	-8	-18.6%	↓	1	3	3	High School none Moderate OJT
51-4041	Machinists	1,942	2,103	161	8.3%	↑	68	138	222	High School none Long OJT
51-4051	Metal-Refining Furnace Operators and Tenders	61	63	2	3.3%	↘	1	4	5	High School none Moderate OJT
51-4052	Pourers and Casters, Metal	40	39	-1	-2.5%	↓	1	3	4	High School none Moderate OJT
51-4061	Model Makers, Metal and Plastic	32	32	0	0.0%	↓	1	2	3	High School none Moderate OJT
51-4062	Patternmakers, Metal and Plastic	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-4071	Foundry Mold and Coremakers	146	143	-3	-2.1%	↓	5	10	15	High School none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	790	742	-48	-6.1%	↗	25	52	72	High School none Moderate OJT
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,131	1,206	75	6.6%	↗	38	79	125	High School none Moderate OJT
51-4111	Tool and Die Makers	259	264	5	1.9%	↗	10	16	26	Postsecondary none Long OJT
51-4121	Welders, Cutters, Solderers, and Brazers	985	1,068	83	8.4%	↑	27	81	116	High School none Moderate OJT
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	324	319	-5	-1.5%	↗	8	25	33	High School none Moderate OJT
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	94	92	-2	-2.1%	↓	3	6	9	High School none Moderate OJT
51-4192	Layout Workers, Metal and Plastic	n	n	n	n	↘	n	n	n	High School none Moderate OJT
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	218	210	-8	-3.7%	↓	7	14	20	High School none Moderate OJT
51-4194	Tool Grinders, Filers, and Sharpeners	56	55	-1	-1.8%	↓	2	4	6	High School none Moderate OJT
51-4199	Metal Workers and Plastic Workers, All Other	523	519	-4	-0.8%	↗	17	35	52	High School none Moderate OJT
51-5111	Prepress Technicians and Workers	97	67	-30	-30.9%	↓	3	8	8	Postsecondary none none
51-5112	Printing Press Operators	797	691	-106	-13.3%	↗	27	52	68	High School none Moderate OJT
51-5113	Print Binding and Finishing Workers	199	143	-56	-28.1%	↓	8	11	13	High School none Moderate OJT
51-6011	Laundry and Dry-Cleaning Workers	695	781	86	12.4%	↑	48	50	107	none none Short OJT
51-6021	Pressers, Textile, Garment, and Related Materials	143	132	-11	-7.7%	↓	6	8	13	none none Short OJT
51-6031	Sewing Machine Operators	520	421	-99	-19.0%	↗	28	25	43	none none Short OJT
51-6041	Shoe and Leather Workers and Repairers	n	n	n	n	↓	n	n	n	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	113	101	-12	-10.6%	↓	8	5	12	none none Moderate OJT
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	140	129	-11	-7.9%	↓	7	9	15	High School none Short OJT
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	134	126	-8	-6.0%	↓	7	8	14	High School none Moderate OJT
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	233	213	-20	-8.6%	↓	12	14	24	High School none Short OJT

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SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	99	91	-8	-8.1%	↓	5	6	10	High School none Moderate OJT
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-6092	Fabric and Apparel Patternmakers	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-6093	Upholsterers	52	48	-4	-7.7%	↓	2	3	5	High School none Moderate OJT
51-6099	Textile, Apparel, and Furnishings Workers, All Other	114	112	-2	-1.8%	↓	6	7	13	High School none Short OJT
51-7011	Cabinetmakers and Bench Carpenters	287	291	4	1.4%	↗	11	16	27	High School none Moderate OJT
51-7021	Furniture Finishers	n	n	n	n	↘	n	n	n	High School none Short OJT
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	171	153	-18	-10.5%	↓	6	12	16	High School none Moderate OJT
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	459	428	-31	-6.8%	↗	13	32	42	High School none Moderate OJT
51-8011	Nuclear Power Reactor Operators	n	n	n	n	↓	n	n	n	High School none Long OJT
51-8013	Power Plant Operators	117	95	-22	-18.8%	↓	3	7	8	High School none Long OJT
51-8021	Stationary Engineers and Boiler Operators	124	124	0	0.0%	↓	6	9	15	High School none Long OJT
51-8031	Water and Wastewater Treatment Plant and System Operators	452	441	-11	-2.4%	↗	13	28	40	High School none Long OJT
51-8092	Gas Plant Operators	n	n	n	n	↓	n	n	n	High School none Long OJT
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	n	n	n	n	↓	n	n	n	High School none Moderate OJT
51-8099	Plant and System Operators, All Other	118	127	9	7.6%	↘	3	10	14	High School none Moderate OJT
51-9011	Chemical Equipment Operators and Tenders	177	198	21	11.9%	↘	4	14	20	High School none Moderate OJT
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	249	265	16	6.4%	↗	6	20	28	High School none Moderate OJT
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	203	202	-1	-0.5%	↓	7	15	22	High School none Moderate OJT
51-9022	Grinding and Polishing Workers, Hand	35	30	-5	-14.3%	↓	1	2	3	none none Moderate OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	386	443	57	14.8%	↑	14	31	51	High School none Moderate OJT
51-9031	Cutters and Trimmers, Hand	n	n	n	n	↓	n	n	n	none none Short OJT
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	213	209	-4	-1.9%	↓	9	16	25	High School none Moderate OJT
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	199	210	11	5.5%	↘	6	15	22	High School none Moderate OJT
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	31	33	2	6.5%	↘	1	2	3	High School none Moderate OJT
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	3,365	2,967	-398	-11.8%	↗	122	251	333	High School none Moderate OJT
51-9071	Jewelers and Precious Stone and Metal Workers	92	83	-9	-9.8%	↓	5	6	10	High School none Long OJT
51-9081	Dental Laboratory Technicians	246	282	36	14.6%	↑	12	22	38	High School none Moderate OJT
51-9082	Medical Appliance Technicians	61	70	9	14.8%	↗	3	5	9	High School none Moderate OJT
51-9083	Ophthalmic Laboratory Technicians	107	120	13	12.1%	↗	5	9	15	High School none Moderate OJT
51-9111	Packaging and Filling Machine Operators and Tenders	1,170	1,288	118	10.1%	↑	51	82	145	High School none Moderate OJT
51-9123	Painting, Coating, and Decorating Workers	73	76	3	4.1%	↘	2	5	7	none none Moderate OJT
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	494	530	36	7.3%	↑	14	37	55	High School none Moderate OJT
51-9141	Semiconductor Processing Technicians	79	84	5	6.3%	↘	3	6	9	High School none Moderate OJT
51-9151	Photographic Process Workers and Processing Machine Operators	n	n	n	n	↘	n	n	n	High School none Short OJT
51-9161	Computer Numerically Controlled Tool Operators	2,858	2,777	-81	-2.8%	↗	96	208	296	High School none Moderate OJT
51-9162	Computer Numerically Controlled Tool Programmers	280	356	76	27.1%	↑	11	24	43	Postsecondary none Moderate OJT
51-9191	Adhesive Bonding Machine Operators and Tenders	n	n	n	n	↘	n	n	n	High School none Moderate OJT
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	124	129	5	4.0%	↘	4	9	13	High School none Moderate OJT

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SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
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	100	103	3	3.0%	↘	6	6	12	High School none Moderate OJT
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	121	152	31	25.6%	↗	5	9	17	High School none Long OJT
51-9196	Paper Goods Machine Setters, Operators, and Tenders	179	159	-20	-11.2%	↓	8	11	17	High School none Moderate OJT
51-9198	Helpers--Production Workers	1,132	1,035	-97	-8.6%	↗	51	102	143	High School none Short OJT
51-9199	Production Workers, All Other	1,031	1,106	75	7.3%	↑	37	79	124	High School none Moderate OJT
53-0000	Transportation and Material Moving Occupations	50,188	54,417	4,229	8.4%		2,551	4,164	7,137	
53-1041	Aircraft Cargo Handling Supervisors	36	41	5	13.9%	↗	1	3	4	High School < 5 yrs none
53-1047	FirstLine Supervisors of Transportation & Material Moving Workers, Exc Aircraft Cargo Handling Supervisor	2,266	2,412	146	6.4%	↗	85	162	262	High School < 5 yrs none
53-2011	Airline Pilots, Copilots, and Flight Engineers	n	n	n	n	↘	n	n	n	Bachelor's < 5 yr Moderate OJT
53-2012	Commercial Pilots	376	432	56	14.9%	↑	15	28	49	High School none Moderate OJT
53-2021	Air Traffic Controllers	456	468	12	2.6%	↗	12	32	45	Associate's none Long OJT
53-2022	Airfield Operations Specialists	n	n	n	n	↗	n	n	n	High School 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	2,413	2,927	514	21.3%	↑	109	181	341	High School none Short OJT
53-3032	Heavy and Tractor-Trailer Truck Drivers	7,491	7,979	488	6.5%	↗	317	524	890	Postsecondary none Short OJT
53-3033	Light Truck Drivers	4,100	4,574	474	11.6%	↑	178	294	519	High School none Short OJT
53-3052	Bus Drivers, Transit and Intercity	215	291	76	35.3%	↑	17	13	38	High School none Moderate OJT
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	3,174	4,175	1,001	31.5%	↑	242	183	525	none none Short OJT
53-3099	Motor Vehicle Operators, All Other	162	186	24	14.8%	↑	18	10	30	none none Short OJT
53-4011	Locomotive Engineers	20	22	2	10.0%	↘	0	1	1	High School < 5 yrs Moderate OJT

n = Employment data do not meet disclosure standards

OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	n	n	n	n	↓	n	n	n	High School none 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	n	n	n	n	↗	n	n	n	none none Moderate OJT
53-5021	Captains, Mates, and Pilots of Water Vessels	n	n	n	n	↗	n	n	n	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	216	255	39	18.1%	↑	11	24	39	none none Short OJT
53-6031	Automotive and Watercraft Service Attendants	527	582	55	10.4%	↑	26	49	81	none none Short OJT
53-6041	Traffic Technicians	n	n	n	n	↗	n	n	n	High School none Moderate OJT
53-6051	Transportation Inspectors	33	32	-1	-3.0%	↓	1	2	3	High School none Moderate OJT
53-6061	Transportation Attendants, Except Flight Attendants	n	n	n	n	↗	n	n	n	High School none Short OJT
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	70	89	19	27.1%	↗	4	7	13	High School none Short OJT
53-7011	Conveyor Operators and Tenders	131	148	17	13.0%	↗	4	12	18	none none Short OJT
53-7021	Crane and Tower Operators	145	150	5	3.4%	↘	4	11	15	High School < 5 yrs Moderate OJT
53-7051	Industrial Truck and Tractor Operators	1,444	1,548	104	7.2%	↑	45	115	170	none none Short OJT
53-7061	Cleaners of Vehicles and Equipment	1,017	1,150	133	13.1%	↑	53	96	162	none none Short OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	5,863	6,464	601	10.3%	↑	270	536	866	none none Short OJT
53-7063	Machine Feeders and Offbearers	546	572	26	4.8%	↗	32	41	76	none none Short OJT
53-7064	Packers and Packagers, Hand	4,259	3,597	-662	-15.5%	↗	224	318	476	none none Short OJT
53-7065	Stockers and Order Fillers	14,153	15,133	980	6.9%	↗	834	1,428	2,360	High School none Short OJT
53-7071	Gas Compressor and Gas Pumping Station Operators	n	n	n	n	↓	n	n	n	High School none Moderate OJT
53-7081	Refuse and Recyclable Material Collectors	749	815	66	8.8%	↑	33	70	110	none none Short OJT

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OCCUPATIONAL PROJECTIONS

SOC Code	Occupation Title	2020 Estimated	2030 Projected	Numeric Change	Percent Change	Outlook	Average Annual Openings			Education/ Experience/ Training
							Exits	Transfers	Total	
53-7121	Tank Car, Truck, and Ship Loaders	n	n	n	n	↓	n	n	n	none none Short OJT
53-7199	Material Moving Workers, All Other	n	n	n	n	↓	n	n	n	none none Short OJT

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