



DELAWARE 2032

OCCUPATION & INDUSTRY PROJECTIONS

Delaware Department of Labor
Karryl Hubbard, Secretary

Published August, 2024
by the Office of Occupational & Labor Market Information

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INSIDE BACK COVER	Labor Market Information & Career Publications

ACKNOWLEDGEMENTS

This report was written by Thomas Dougherty, Chief, Office of Occupational & Labor Market Information (OOLMI). He also generated the projections for this publications. Kristie Manley, Editor & Production Coordinator, developed the design and layout.

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Introduction

Every two years, the Delaware Department of Labor produces industry and occupation projections at the statewide level for a period ten years into the future. This publication presents Delaware's efforts for the period 2022 to 2032. It supersedes the last such set of projections, which were generated for the 2020-2030 period and published in July, 2022.



Delaware is projected to have 36,240 more jobs in 2032 than in 2022, for an average annual growth rate of 0.7 percent. Nationally, jobs are projected to grow at an annual rate of 0.3 percent. The base year employment of 2022 for these projections occurred two years after a recession that was due to the coronavirus pandemic. The recession of 2020 was very short, lasting only two months, as measured by the official recession dating body, the National Bureau of Economic Research, but the recession was particularly deep in terms of job losses. The subsequent recovery was particularly strong with all Delaware jobs lost at the total non-

farm employment level having been regained by February 2022 as measure by the seasonally adjusted Current Employment Statistics program. Healthcare and Social Assistance, already Delaware largest industry sector in terms of employment, is expected to have the most growth with over one-third of all new jobs created.

Job openings occur when the number of jobs at employers within the state are increasing (growth), or when workers currently in those jobs either find work in another field (transfers), or exit the labor force altogether (exits). Transfer and exits are also called separations. Total job openings are the summation of openings due to growth plus openings due to separations. Details on the methodology can be found here: <https://www.bls.gov/emp/documentation/separations.htm>



Occupation Projections by Occupational Group

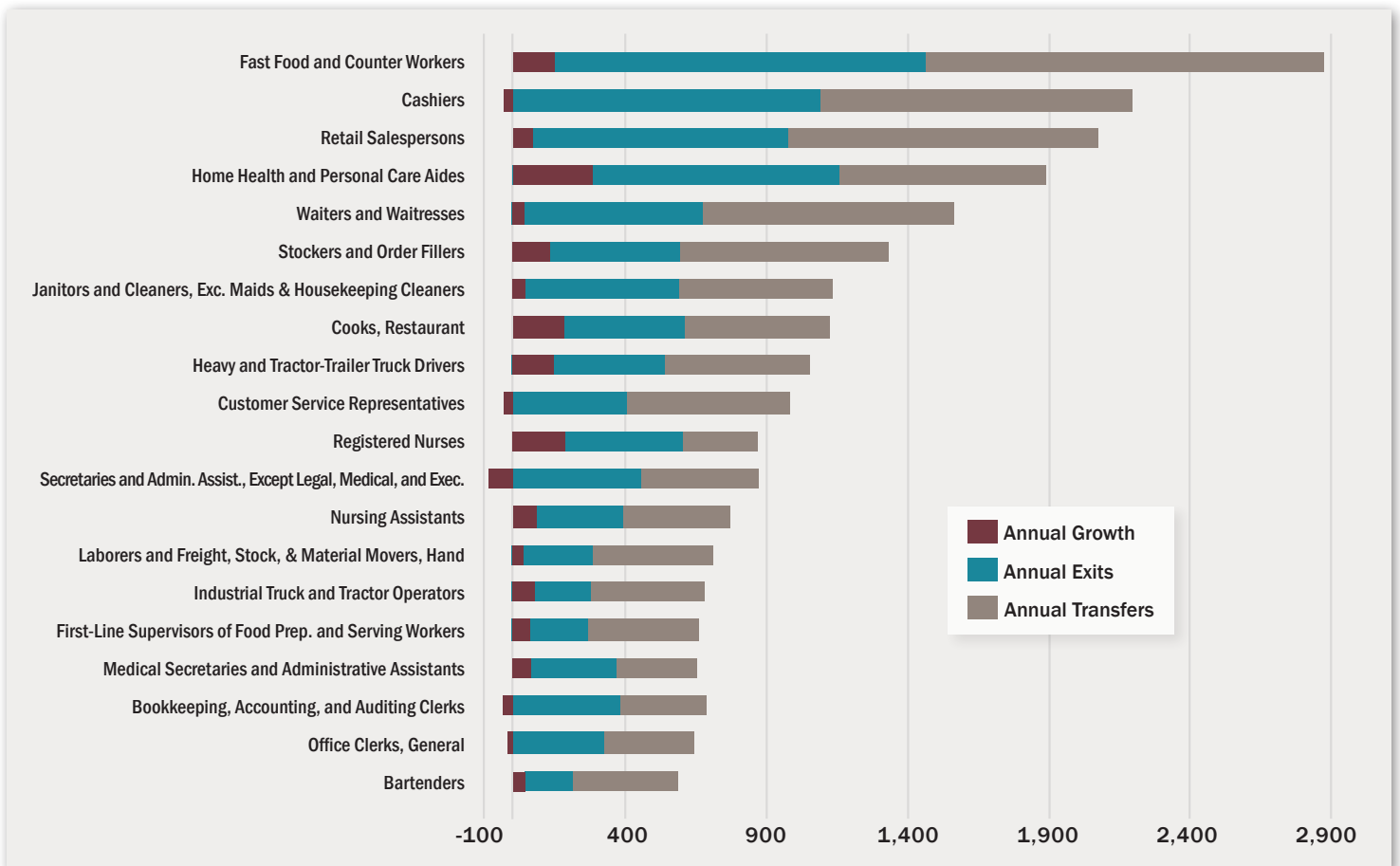
In this section, we present job projections and associated data for 529 specific occupations in Delaware, listed by major occupational group. The data elements provided for each occupation are: the Standard Occupational Classification (SOC) code, an estimate of the total number of filled jobs in the state in 2022, the projection of total filled jobs in 2032, the skill category, wage category, job availability, and usual education, work experience, and training requirements. In the following section we present these same occupations arranged by the 16 career clusters used by state educators. There you will find the forecasted annual growth rate, annual openings due to growth, annual exits, annual transfers, and total annual openings, as well as the 2022 estimated average annual wage for each occupation.

Estimates of past employment levels and projections of future employment levels do not refer to the demand

for workers, nor to the supply of workers. They refer to the equilibrium point where the supply and demand for labor are equal, that is, filled jobs. Labor demand and labor supply each have many possible employment levels, depending on the wage level. The wage level adjusts until the supply and demand for any given occupation are the same - that point is the employment estimate or projection for that occupation. Any forecast a decade into the future that predicts shortages or surpluses ignores this fact and is not well grounded in economic theory.

For ease of comparison, this first section presents occupational wages by wage categories. To create the categories, we divided the 527 occupations with wages into quintiles (2 occupations have wages that are not available due to confidentially reasons). There are about 105 occupations in each wage category. These categories are based on the 2022 average annual wage for each

Occupations With the Most Annual Openings, 2022–2032



occupation. Of course, it should be recognized that some people working in each occupation were paid less than the average, and some were paid more than the average, and that those just entering an occupation should expect to be paid less than this amount. More detailed wage distributions for most of these occupations, including estimates for entry- and experienced level wages, can be obtained by contacting our office.

The lowest paying occupations (*Low*) paid below \$39,200 per year. The next lowest-paying occupations, those in the *Below Average* category (-Avg), had average wages between \$39,201 and \$50,000 per year. The middle category, *Average* (Avg) paid from \$50,001 to \$64,000. The second highest-paying category, *Above Average* (+Avg), had average wages from \$64,001 to \$86,000, while the highest-paying occupations (*High*) had average annual wages exceeding \$86,001. Wages that have been suppressed or are not available have been listed as NA.

Wage Categories

Wage Category	Abbreviation	2022 Average Annual Wage
Low	Low	Below \$39,200
Below Average	-Avg	\$39,201 to \$50,000
Average	Avg	\$50,001 to \$64,000
Above Average	+Avg	\$64,001 to \$86,000
High	High	Above \$86,001

The placement of occupations into job availability categories is based on the expected total annual openings. There are four categories of job availability: *Poor*, with fewer than 10 annual total openings projected; *Fair*, with from 10 to 39 annual total openings projected; *Good*, with from 40 to 99 such openings; and *Excellent* (Excl), with 100 or more total annual openings projected. There are 119 occupations with Excellent job availability, another 100 in the Good category, 172 with Fair job availability prospects, and 138 in the Poor category.

Job Availability Categories

Category	Annual Total Openings	Number of Occupations in each Category
Poor	<10	138
Fair	10 to 39	172
Good	40 to 99	100
Excellent (Excl)	100 or more	119

The rest of the data refer to education, experience, and training requirements. There are seven levels of education, which are intended to describe the typical education level of someone entering the occupation. The education categories range from no formal educational credential (NFE), high school diploma or equivalent (HS), postsecondary vocational training (VocEd), associate's degree (Assoc), bachelor's degree (Bach), and master's degree (Mast) through doctoral or professional degree (PhD/prof). Some occupations typically require experience working in a related field. The work experience measure captures this as one of three possible values: none, less than five years (<5), and five years or more (5+). The on-the-job training field has six possible measures for the typical amount of training required to be considered competent in the occupation. These range from none, short-term on-the-job training of one month or less (SOJT), moderate-term on-the-job training of from one month to one year (MOJT), long-term on-the-job training of over one year (LOJT), and apprenticeship (App) through internship or residency (Int). Those interested in further details on the education, experience, and training requirements should go to: <https://www.bls.gov/emp/documentation/education/tech.htm>

Percentage of Jobs by Level of Education

Level of Education	Percentage of Jobs Estimated in 2022	Percentage of Jobs Projected in 2032
High School and Below	61.5%	60.4%
More than High School, Less than Bachelor's	9.2%	9.5%
Bachelor's Degree or Higher	29.4%	30.1%

The skill category places each occupation into the high skill (H), middle skill (M), or low skill (L) category based on a combination of education, work experience, training, and formal certification. We worked closely with the Delaware Department of Education's Career and Technical Education office to develop the categories, which are illustrated in the table on the next page.

Percentage of Jobs by Skill Category

Skill Category	Percentage of Jobs Estimated in 2022	Percentage of Jobs Projected in 2032
Low Skill	40.3%	40.1%
Middle Skill	30.3%	29.8%
High Skill	29.4%	30.1%

Delaware Skills Categories

Education	Work Experience (years)			Training					Certification	
	None	Less than 5 yrs	More than 5 yrs	SOJT (<1 mo.)	MOJT (1-12 mo.)	LOJT (1 yr+)	Apprenticeship	Internship/Residency	No	Yes
Ph.D./Professional Degree	H	H	H	H	H	H	H	H	H	H
Master's	H	H	H	H	H	H	H	H	H	H
Bachelor's	H	H	H	H	H	H	H	H	H	H
Associate's	M	M	H	M	M	M	M	H	M	M
Post-Secondary Certificate/Vocational	M	M	M	M	M	M	M	M	M	M
High School or Equivalent	L	M	M	L	M	M	M	M	L	M
No Formal Education Credential	L	L	L	L	L	M	M	M	L	M

H = High Skill M = Middle Skill L = Low Skill

Projected Openings and Growth by Education Level, 2022-2032

Education	Total Openings 2022-2032	Percent of Total Openings	Job Growth 2022-2032	Annual Percent Job Growth	2022 Unemployment Rate
Ph.D./Professional	7,147	1.3%	1,289	1.0%	1.8%*
Master's	8,974	1.6%	1,701	1.6%	1.8%*
Bachelor's	96,614	17.0%	10,678	0.9%	1.8%*
Associate's	11,193	2.0%	819	0.7%	4.5%
Vocational Education	40,774	7.2%	4,217	1.3%	Not Available
High School Graduate	209,797	36.8%	7,102	0.4%	3.9%
No Formal Education	195,370	34.3%	8,794	0.7%	7.9%

*Unemployment rate is for Bachelor's degree or higher

Wages by Level of Education, 2022

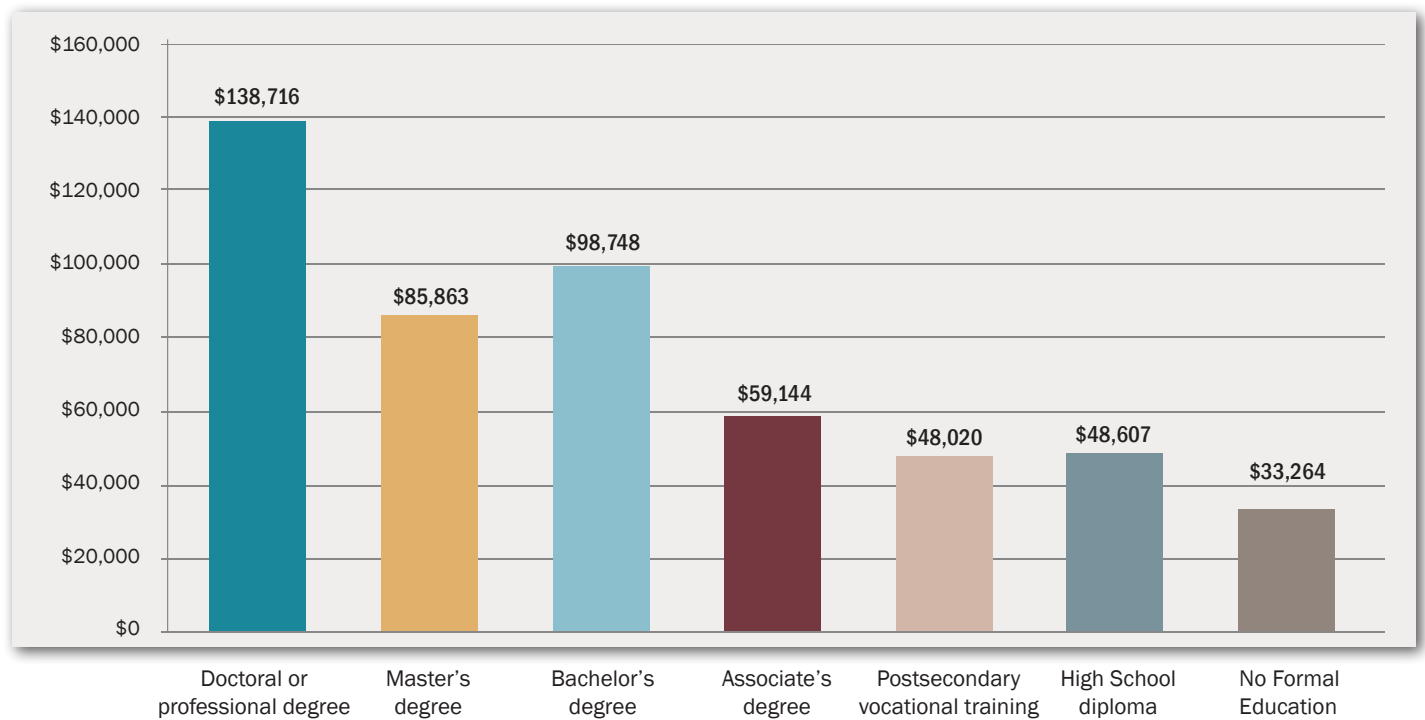


Table 1: Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
11-0000 Management Occupations									
11-1011	Chief Executives	517	469	High	Fair	Bach	5+	None	H
11-1021	General and Operations Managers	4,777	5,055	High	Excl.	Bach	5+	None	H
11-1031	Legislators	98	100	+Avg.	Poor	Bach	<5	None	H
11-2021	Marketing Managers	1,386	1,464	High	Excl.	Bach	5+	None	H
11-2032	Public Relations Managers	160	170	High	Fair	Bach	5+	None	H
11-2033	Fundraising Managers	120	134	High	Fair	Bach	5+	None	H
11-3012	Administrative Services Managers	691	728	High	Good	Bach	<5	None	H
11-3013	Facilities Managers	179	190	High	Fair	Bach	<5	None	H
11-3021	Computer and Information Systems Managers	1,832	2,039	High	Excl.	Bach	5+	None	H
11-3031	Financial Managers	2,533	2,904	High	Excl.	Bach	5+	None	H
11-3051	Industrial Production Managers	430	476	High	Fair	Bach	5+	None	H
11-3061	Purchasing Managers	171	173	High	Fair	Bach	5+	None	H
11-3071	Transportation, Storage, and Distribution Managers	380	416	High	Fair	HS	5+	None	M
11-3111	Compensation and Benefits Managers	18	18	High	Poor	Bach	5+	None	H
11-3121	Human Resources Managers	549	565	High	Good	Bach	5+	None	H
11-3131	Training and Development Managers	70	73	High	Poor	Bach	5+	None	H
11-9021	Construction Managers	822	889	High	Good	Bach	None	MOJT	H
11-9031	Education and Childcare Administrators, Preschool and Daycare	403	407	Avg.	Fair	Bach	<5	None	H
11-9032	Education Administrators, Kindergarten through Secondary	910	999	High	Good	Mast	5+	None	H
11-9033	Education Administrators, Postsecondary	463	527	High	Fair	Mast	<5	None	H
11-9039	Education Administrators, All Other	89	98	High	Poor	Bach	<5	None	H
11-9041	Architectural and Engineering Managers	445	465	High	Fair	Bach	5+	None	H
11-9051	Food Service Managers	789	853	+Avg.	Good	HS	<5	SOJT	M
11-9071	Gambling Managers	16	15	High	Poor	HS	<5	None	M
11-9072	Entertainment And Recreation Managers, Except Gambling	20	21	+Avg.	Poor	Bach	<5	None	H
11-9081	Lodging Managers	115	144	+Avg.	Fair	HS	<5	None	M
11-9111	Medical and Health Services Managers	1,300	1,778	High	Excl.	Bach	<5	None	H
11-9121	Natural Sciences Managers	368	363	High	Fair	Bach	5+	None	H
11-9131	Postmasters and Mail Superintendents	41	46	High	Poor	HS	<5	MOJT	M
11-9141	Property, Real Estate, and Community Association Managers	1,201	1,249	+Avg.	Good	HS	<5	SOJT	M
11-9151	Social and Community Service Managers	984	1,082	+Avg.	Good	Bach	<5	None	H
11-9171	Funeral Home Managers	96	97	High	Poor	Assoc	<5	None	M
11-9199	Managers, All Other	1,509	1,550	High	Excl.	Bach	<5	None	H
13-0000 Business and Financial Operations Occupations									
13-1020	Buyers and Purchasing Agents	1,349	1,252	+Avg.	Excl.	Bach	None	MOJT	H
13-1031	Claims Adjusters, Examiners, and Investigators	797	767	+Avg.	Good	HS	None	LOJT	M
13-1041	Compliance Officers	1,618	1,657	+Avg.	Excl.	Bach	None	MOJT	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
13-1051	Cost Estimators	1,247	1,249	+Avg.	Excl.	Bach	None	MOJT	H
13-1071	Human Resources Specialists	2,492	2,603	+Avg.	Excl.	Bach	None	None	H
13-1075	Labor Relations Specialists	1,058	1,070	High	Good	Bach	<5	None	H
13-1081	Logisticians	624	735	High	Good	Bach	None	None	H
13-1082	Project Management Specialists	1,556	1,617	High	Excl.	Bach	None	None	H
13-1111	Management Analysts	4,825	5,222	High	Excl.	Bach	<5	None	H
13-1121	Meeting, Convention, and Event Planners	447	484	Avg.	Good	Bach	None	None	H
13-1131	Fundraisers	463	504	+Avg.	Fair	Bach	None	None	H
13-1141	Compensation, Benefits, and Job Analysis Specialists	240	259	High	Fair	Bach	<5	None	H
13-1151	Training and Development Specialists	1,171	1,259	+Avg.	Excl.	Bach	<5	None	H
13-1161	Market Research Analysts and Marketing Specialists	2,713	3,089	High	Excl.	Bach	None	None	H
13-1199	Business Operations Specialists, All Other	1,515	1,587	+Avg.	Excl.	Bach	None	None	H
13-2011	Accountants and Auditors	5,937	6,091	+Avg.	Excl.	Bach	None	None	H
13-2020	Property Appraisers and Assessors	145	153	Avg.	Fair	Bach	None	LOJT	H
13-2031	Budget Analysts	147	149	+Avg.	Poor	Bach	None	None	H
13-2051	Financial and Investment Analysts	2,035	2,239	High	Excl.	Bach	None	None	H
13-2053	Insurance Underwriters	108	104	High	Poor	Bach	None	MOJT	H
13-2054	Financial Risk Specialists	1,355	1,454	High	Excl.	Bach	None	None	H
13-2061	Financial Examiners	750	1,011	+Avg.	Good	Bach	None	LOJT	H
13-2071	Credit Counselors	86	97	Avg.	Poor	Bach	None	MOJT	H
13-2072	Loan Officers	1,070	1,058	+Avg.	Good	Bach	<5	MOJT	H
13-2081	Tax Examiners and Collectors, and Revenue Agents	112	111	+Avg.	Poor	Bach	None	MOJT	H
13-2099	Financial Specialists, All Other	1,653	1,860	+Avg.	Excl.	Bach	None	None	H
15-0000 Computer and Mathematical Occupations									
15-1211	Computer Systems Analysts	2,173	2,316	High	Excl.	Bach	None	None	H
15-1212	Information Security Analysts	1,028	1,275	High	Good	Bach	<5	None	H
15-1231	Computer Network Support Specialists	411	376	Avg.	Fair	Assoc	None	MOJT	M
15-1232	Computer User Support Specialists	1,714	1,760	+Avg.	Excl.	HS	None	MOJT	M
15-1241	Computer Network Architects	803	794	High	Good	Bach	5+	None	H
15-1242	Database Administrators	605	623	High	Fair	Bach	None	None	H
15-1243	Database Architects	90	94	High	Poor	Bach	<5	None	H
15-1244	Network and Computer Systems Administrators	985	990	High	Good	Bach	None	None	H
15-1251	Computer Programmers	531	453	High	Fair	Bach	None	None	H
15-1252	Software Developers	5,478	6,574	High	Excl.	Bach	None	None	H
15-1253	Software Quality Assurance Analysts and Testers	519	589	High	Good	Bach	None	None	H
15-1254	Web Developers	174	198	High	Fair	Bach	None	None	H
15-1299	Computer Occupations, All Other	803	822	High	Good	Bach	None	None	H
15-2031	Operations Research Analysts	850	1,048	High	Good	Bach	None	None	H
15-2041	Statisticians	87	111	High	Poor	Mast	None	None	H
15-2051	Data Scientists	502	650	High	Good	Bach	None	None	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
17-0000 Architecture and Engineering Occupations									
17-1011	Architects, Except Landscape and Naval	115	115	+Avg.	Poor	Bach	None	Int	H
17-1022	Surveyors	135	135	+Avg.	Poor	Bach	None	Int	H
17-2011	Aerospace Engineers	31	31	+Avg.	Poor	Bach	None	None	H
17-2041	Chemical Engineers	427	455	High	Fair	Bach	None	None	H
17-2051	Civil Engineers	1,006	1,014	High	Good	Bach	None	None	H
17-2071	Electrical Engineers	534	550	High	Fair	Bach	None	None	H
17-2072	Electronics Engineers, Except Computer	86	84	High	Poor	Bach	None	None	H
17-2081	Environmental Engineers	143	148	High	Poor	Bach	None	None	H
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	81	82	High	Poor	Bach	None	None	H
17-2112	Industrial Engineers	811	912	High	Good	Bach	None	None	H
17-2131	Materials Engineers	119	129	High	Poor	Bach	None	None	H
17-2141	Mechanical Engineers	661	739	High	Good	Bach	None	None	H
17-3011	Architectural and Civil Drafters	364	351	Avg.	Fair	Assoc	None	None	M
17-3012	Electrical and Electronics Drafters	57	58	+Avg.	Poor	Assoc	None	None	M
17-3013	Mechanical Drafters	191	184	Avg.	Fair	Assoc	None	None	M
17-3019	Drafters, All Other	25	24	+Avg.	Poor	Assoc	None	None	M
17-3022	Civil Engineering Technologists and Technicians	434	421	-Avg.	Fair	Assoc	None	None	M
17-3023	Electrical and Electronics Engineering Technologists and Technicians	225	240	Avg.	Fair	Assoc	None	None	M
17-3025	Environmental Engineering Technologists and Technicians	53	53	+Avg.	Poor	Assoc	None	None	M
17-3026	Industrial Engineering Technologists and Technicians	59	65	+Avg.	Poor	Assoc	None	None	M
17-3027	Mechanical Engineering Technologists and Technicians	51	54	Avg.	Poor	Assoc	None	None	M
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	64	67	Avg.	Poor	Assoc	None	None	M
17-3031	Surveying and Mapping Technicians	168	166	-Avg.	Fair	HS	None	MOJT	M
19-0000 Life, Physical, and Social Science Occupations									
19-1013	Soil and Plant Scientists	132	150	+Avg.	Fair	Bach	None	None	H
19-1021	Biochemists and Biophysicists	440	441	High	Fair	PhD/prof	None	None	H
19-1022	Microbiologists	131	138	+Avg.	Fair	Bach	None	None	H
19-1031	Conservation Scientists	64	67	Avg.	Poor	Bach	None	None	H
19-1032	Foresters	13	12	Avg.	Poor	Bach	None	None	H
19-1042	Medical Scientists, Except Epidemiologists	540	571	High	Fair	PhD/prof	None	None	H
19-2021	Atmospheric and Space Scientists	36	38	High	Poor	Bach	None	None	H
19-2031	Chemists	1,144	1,158	High	Good	Bach	None	None	H
19-2032	Materials Scientists	121	130	High	Fair	Bach	None	None	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
19-2041	Environmental Scientists and Specialists, Including Health	321	328	Avg.	Fair	Bach	None	None	H
19-2042	Geoscientists, Except Hydrologists and Geographers	129	137	+Avg.	Fair	Bach	None	None	H
19-2043	Hydrologists	27	27	Avg.	Poor	Bach	None	None	H
19-3033	Clinical and Counseling Psychologists	115	129	High	Poor	PhD/ prof	None	Int	H
19-3034	School Psychologists	406	441	+Avg.	Fair	Mast	None	Int	H
19-3041	Sociologists	27	29	+Avg.	Poor	Mast	None	None	H
19-3051	Urban and Regional Planners	450	458	Avg.	Fair	Mast	None	None	H
19-3093	Historians	22	22	+Avg.	Poor	Mast	None	None	H
19-3099	Social Scientists and Related Workers, All Other	81	86	+Avg.	Poor	Bach	None	None	H
19-4012	Agricultural Technicians	57	66	-Avg.	Fair	Assoc	None	MOJT	M
19-4013	Food Science Technicians	29	33	-Avg.	Poor	Assoc	None	MOJT	M
19-4021	Biological Technicians	168	176	Avg.	Fair	Bach	None	None	H
19-4031	Chemical Technicians	447	463	+Avg.	Good	Assoc	None	MOJT	M
19-4042	Environmental Science and Protection Technicians, Including Health	87	90	-Avg.	Poor	Assoc	None	None	M
19-4043	Geological Technicians, Except Hydrologic Technicians	51	52	-Avg.	Poor	Assoc	None	MOJT	M
19-4061	Social Science Research Assistants	103	118	Avg.	Fair	Bach	None	None	H
19-4071	Forest and Conservation Technicians	24	24	Low	Poor	Assoc	None	None	M
19-5011	Occupational Health and Safety Specialists	570	655	High	Good	Bach	None	None	H
19-5012	Occupational Health and Safety Technicians	134	149	Avg.	Fair	HS	None	MOJT	M
21-0000 Community and Social Service Occupations									
21-1012	Educational, Guidance, and Career Counselors and Advisors	1,478	1,701	+Avg.	Excl.	Mast	None	None	H
21-1013	Marriage and Family Therapists	235	244	Avg.	Fair	Mast	None	Int	H
21-1015	Rehabilitation Counselors	302	329	-Avg.	Fair	Mast	None	None	H
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	1,760	2,091	Avg.	Excl.	Bach	None	None	H
21-1021	Child, Family, and School Social Workers	1,230	1,304	-Avg.	Excl.	Bach	None	None	H
21-1022	Healthcare Social Workers	641	720	Avg.	Good	Mast	None	Int	H
21-1023	Mental Health and Substance Abuse Social Workers	544	583	Avg.	Good	Mast	None	Int	H
21-1091	Health Education Specialists	345	397	+Avg.	Good	Bach	None	None	H
21-1092	Probation Officers and Correctional Treatment Specialists	397	397	+Avg.	Fair	Bach	None	MOJT	H
21-1093	Social and Human Service Assistants	1,054	1,173	Low	Excl.	HS	None	SOJT	L
21-1094	Community Health Workers	336	387	-Avg.	Good	HS	None	SOJT	L
21-1099	Community and Social Service Specialists, All Other	613	664	-Avg.	Good	Bach	None	None	H
21-2011	Clergy	98	107	Avg.	Poor	Bach	None	MOJT	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
23-0000 Legal Occupations									
23-1011	Lawyers	2,926	2,993	High	Excl.	PhD/ prof	None	None	H
23-1012	Judicial Law Clerks	101	101	High	Poor	PhD/ prof	None	None	H
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	77	78	Avg.	Poor	PhD/ prof	5+	SOJT	H
23-1022	Arbitrators, Mediators, and Conciliators	51	53	+Avg.	Poor	Bach	<5	MOJT	H
23-1023	Judges, Magistrate Judges, and Magistrates	131	130	High	Poor	PhD/ prof	5+	SOJT	H
23-2011	Paralegals and Legal Assistants	1,784	1,744	+Avg.	Excl.	Assoc	None	None	M
25-0000 Education, Training, and Library Occupations									
25-1011	Business Teachers, Postsecondary	447	527	High	Good	PhD/ prof	None	None	H
25-1021	Computer Science Teachers, Postsecondary	195	227	+Avg.	Fair	PhD/ prof	None	None	H
25-1041	Agricultural Sciences Teachers, Postsecondary	119	138	+Avg.	Fair	PhD/ prof	None	None	H
25-1042	Biological Science Teachers, Postsecondary	175	209	+Avg.	Fair	PhD/ prof	None	None	H
25-1054	Physics Teachers, Postsecondary	106	121	High	Fair	PhD/ prof	None	None	H
25-1066	Psychology Teachers, Postsecondary	102	118	High	Fair	PhD/ prof	None	None	H
25-1067	Sociology Teachers, Postsecondary	79	90	+Avg.	Poor	PhD/ prof	None	None	H
25-1071	Health Specialties Teachers, Postsecondary	273	359	+Avg.	Fair	PhD/ prof	<5	None	H
25-1072	Nursing Instructors and Teachers, Postsecondary	305	398	+Avg.	Fair	PhD/ prof	<5	None	H
25-1081	Education Teachers, Postsecondary	187	214	+Avg.	Fair	PhD/ prof	<5	None	H
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	24	28	+Avg.	Poor	PhD/ prof	None	None	H
25-1122	Communications Teachers, Postsecondary	80	92	+Avg.	Poor	PhD/ prof	None	None	H
25-1123	English Language and Literature Teachers, Postsecondary	262	292	+Avg.	Fair	PhD/ prof	None	None	H
25-1124	Foreign Language and Literature Teachers, Postsecondary	127	142	+Avg.	Fair	PhD/ prof	None	None	H
25-1194	Career/Technical Education Teachers, Postsecondary	232	246	Avg.	Fair	Bach	<5	None	H
25-2011	Preschool Teachers, Except Special Education	2,088	2,256	Low	Excl.	Assoc	None	None	M
25-2012	Kindergarten Teachers, Except Special Education	247	274	Avg.	Fair	Bach	None	None	H
25-2021	Elementary School Teachers, Except Special Education	4,696	5,204	+Avg.	Excl.	Bach	None	None	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
25-2022	Middle School Teachers, Except Special and Career/Technical Education	1,696	1,880	+Avg.	Excl.	Bach	None	None	H
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	4,367	4,854	+Avg.	Excl.	Bach	None	None	H
25-2032	Career/Technical Education Teachers, Secondary School	548	602	+Avg.	Good	Bach	<5	None	H
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,227	1,350	+Avg.	Good	Bach	None	None	H
25-2057	Special Education Teachers, Middle School	76	84	Avg.	Poor	Bach	None	None	H
25-2058	Special Education Teachers, Secondary School	1,140	1,258	+Avg.	Good	Bach	None	None	H
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	322	307	Avg.	Fair	Bach	None	None	H
25-3021	Self-Enrichment Teachers	426	449	Avg.	Good	HS	<5	None	M
25-3031	Substitute Teachers, Short-Term	533	591	Low	Good	Bach	None	None	H
25-3041	Tutors	566	632	Low	Excl.	HS	None	None	L
25-3099	Teachers and Instructors, All Other	148	154	Avg.	Fair	Bach	None	None	H
25-4011	Archivists	45	49	Avg.	Poor	Mast	None	None	H
25-4012	Curators	70	77	Avg.	Poor	Mast	None	None	H
25-4013	Museum Technicians and Conservators	76	81	-Avg.	Poor	Bach	None	None	H
25-4022	Librarians and Media Collections Specialists	419	449	+Avg.	Good	Mast	None	None	H
25-4031	Library Technicians	218	203	-Avg.	Fair	VocEd	None	None	M
25-9021	Farm and Home Management Educators	114	123	+Avg.	Fair	Mast	None	None	H
25-9031	Instructional Coordinators	1,235	1,364	+Avg.	Excl.	Mast	5+	None	H
25-9044	Teaching Assistants, Postsecondary	316	363	+Avg.	Good	Bach	None	None	H
25-9045	Teaching Assistants, Except Postsecondary	4,486	4,873	Low	Excl.	HS	None	None	L
25-9099	Educational Instruction and Library Workers, All Other	70	74	Avg.	Poor	Bach	None	None	H
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations									
27-1011	Art Directors	98	106	High	Fair	Bach	5+	None	H
27-1021	Commercial and Industrial Designers	32	31	+Avg.	Poor	Bach	None	None	H
27-1023	Floral Designers	118	92	Low	Fair	HS	None	MOJT	M
27-1024	Graphic Designers	531	545	Avg.	Good	Bach	None	None	H
27-1025	Interior Designers	166	170	Avg.	Fair	Bach	None	None	H
27-1026	Merchandise Displayers and Window Trimmers	1,024	1,076	Low	Excl.	HS	None	SOJT	L
27-2012	Producers and Directors	127	116	+Avg.	Poor	Bach	<5	None	H
27-2022	Coaches and Scouts	924	1,039	Avg.	Excl.	Bach	None	None	H
27-2023	Umpires, Referees, and Other Sports Officials	59	62	-Avg.	Fair	HS	None	MOJT	M
27-3023	News Analysts, Reporters, and Journalists	63	58	-Avg.	Poor	Bach	None	None	H
27-3031	Public Relations Specialists	1,139	1,210	+Avg.	Good	Bach	None	None	H
27-3041	Editors	160	149	+Avg.	Fair	Bach	<5	None	H
27-3042	Technical Writers	94	99	High	Poor	Bach	<5	SOJT	H
27-3043	Writers and Authors	102	102	+Avg.	Fair	Bach	None	LOJT	H
27-3091	Interpreters and Translators	117	121	+Avg.	Fair	Bach	None	None	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
27-3092	Court Reporters and Simultaneous Captioners	55	54	+Avg.	Poor	VocEd	None	SOJT	M
27-4011	Audio and Video Technicians	99	103	Avg.	Poor	VocEd	None	SOJT	M
27-4012	Broadcast Technicians	27	20	Avg.	Poor	Assoc	None	SOJT	M
27-4014	Sound Engineering Technicians	18	14	Avg.	Poor	VocEd	None	SOJT	M
27-4021	Photographers	326	326	-Avg.	Fair	HS	None	MOJT	M
27-4031	Camera Operators, Television, Video, and Film	24	24	-Avg.	Poor	Bach	None	None	H
29-0000 Healthcare Practitioners and Technical Occupations									
29-1011	Chiropractors	169	191	High	Poor	PhD/prof	None	None	H
29-1021	Dentists, General	355	384	High	Fair	PhD/prof	None	None	H
29-1031	Dietitians and Nutritionists	373	419	+Avg.	Fair	Bach	None	Int	H
29-1041	Optometrists	101	113	High	Poor	PhD/prof	None	None	H
29-1051	Pharmacists	963	1,061	High	Good	PhD/prof	None	None	H
29-1071	Physician Assistants	656	900	High	Good	Mast	None	None	H
29-1081	Podiatrists	71	77	High	Poor	PhD/prof	None	Int	H
29-1122	Occupational Therapists	427	497	High	Fair	Mast	None	None	H
29-1123	Physical Therapists	1,011	1,242	High	Good	PhD/prof	None	None	H
29-1124	Radiation Therapists	54	61	High	Poor	Assoc	None	None	M
29-1125	Recreational Therapists	75	84	-Avg.	Poor	Bach	None	None	H
29-1126	Respiratory Therapists	401	503	+Avg.	Fair	Assoc	None	None	M
29-1131	Veterinarians	330	368	High	Fair	PhD/prof	None	None	H
29-1141	Registered Nurses	11,718	13,571	+Avg.	Excl.	Bach	None	None	H
29-1151	Nurse Anesthetists	75	88	High	Poor	Mast	None	None	H
29-1161	Nurse Midwives	69	78	High	Poor	Mast	None	None	H
29-1171	Nurse Practitioners	1,003	1,546	High	Excl.	Mast	None	None	H
29-1181	Audiologists	58	66	+Avg.	Poor	PhD/prof	None	None	H
29-1212	Cardiologists	103	113	N/A	Poor	PhD/prof	None	Int	H
29-1213	Dermatologists	52	56	High	Poor	PhD/prof	None	Int	H
29-1215	Family Medicine Physicians	499	554	High	Fair	PhD/prof	None	Int	H
29-1216	General Internal Medicine Physicians	64	75	High	Poor	PhD/prof	None	Int	H
29-1217	Neurologists	62	68	High	Poor	PhD/prof	None	Int	H
29-1218	Obstetricians and Gynecologists	152	170	High	Poor	PhD/prof	None	Int	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
29-1221	Pediatricians, General	168	183	High	Poor	PhD/prof	None	Int	H
29-1223	Psychiatrists	94	108	High	Poor	PhD/prof	None	Int	H
29-1224	Radiologists	47	53	High	Poor	PhD/prof	None	Int	H
29-1229	Physicians, All Other	1,175	1,304	High	Good	PhD/prof	None	Int	H
29-1249	Surgeons, All Other	59	68	N/A	Poor	PhD/prof	None	Int	H
29-1292	Dental Hygienists	725	804	High	Good	Assoc	None	None	M
29-2010	Clinical Laboratory Technologists and Technicians	589	675	Avg.	Good	Bach	None	None	H
29-2031	Cardiovascular Technologists and Technicians	373	424	Avg.	Fair	Assoc	None	None	M
29-2032	Diagnostic Medical Sonographers	254	319	+Avg.	Fair	Assoc	None	None	M
29-2033	Nuclear Medicine Technologists	86	95	+Avg.	Poor	Assoc	None	None	M
29-2034	Radiologic Technologists and Technicians	777	885	+Avg.	Good	Assoc	None	None	M
29-2035	Magnetic Resonance Imaging Technologists	212	251	+Avg.	Fair	Assoc	<5	None	M
29-2042	Emergency Medical Technicians	1,019	1,138	-Avg.	Good	VocEd	None	None	M
29-2043	Paramedics	367	402	Avg.	Fair	VocEd	<5	None	M
29-2051	Dietetic Technicians	73	83	Low	Poor	Assoc	None	None	M
29-2052	Pharmacy Technicians	1,173	1,310	Low	Excl.	HS	None	MOJT	M
29-2053	Psychiatric Technicians	144	173	Low	Fair	VocEd	<5	SOJT	M
29-2055	Surgical Technologists	399	460	Avg.	Fair	VocEd	None	None	M
29-2056	Veterinary Technologists and Technicians	467	525	-Avg.	Good	Assoc	None	None	M
29-2057	Ophthalmic Medical Technicians	154	180	-Avg.	Fair	VocEd	None	None	M
29-2061	Licensed Practical and Licensed Vocational Nurses	2,136	2,499	Avg.	Excl.	VocEd	None	None	M
29-2072	Medical Records Specialists	451	517	-Avg.	Fair	VocEd	None	None	M
29-2081	Opticians, Dispensing	264	279	Low	Fair	HS	None	LOJT	M
29-2099	Health Technologists and Technicians, All Other	245	278	Avg.	Fair	VocEd	None	None	M
29-9021	Health Information Technologists and Medical Registrars	80	100	Avg.	Poor	Assoc	None	None	M
29-9091	Athletic Trainers	164	208	Avg.	Fair	Mast	None	None	H
31-0000 Healthcare Support Occupations									
31-1120	Home Health and Personal Care Aides	9,531	12,348	Low	Excl.	HS	None	SOJT	L
31-1131	Nursing Assistants	4,412	5,256	Low	Excl.	VocEd	None	None	M
31-1132	Orderlies	295	339	Low	Good	HS	None	SOJT	L
31-1133	Psychiatric Aides	116	142	Low	Fair	HS	None	SOJT	L
31-2011	Occupational Therapy Assistants	132	170	+Avg.	Fair	Assoc	None	None	M
31-2021	Physical Therapist Assistants	301	408	Avg.	Good	Assoc	None	None	M
31-2022	Physical Therapist Aides	209	228	Low	Fair	HS	None	SOJT	L
31-9011	Massage Therapists	218	264	Low	Fair	VocEd	None	None	M
31-9091	Dental Assistants	897	990	Avg.	Excl.	VocEd	None	None	M
31-9092	Medical Assistants	2,832	3,444	Low	Excl.	VocEd	None	None	M

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
31-9093	Medical Equipment Preparers	233	267	-Avg.	Fair	HS	None	MOJT	M
31-9094	Medical Transcriptionists	154	148	-Avg.	Fair	VocEd	None	None	M
31-9095	Pharmacy Aides	110	110	Low	Fair	HS	None	SOJT	L
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	152	171	Low	Fair	HS	None	SOJT	L
31-9097	Phlebotomists	362	416	-Avg.	Good	VocEd	None	None	M
31-9099	Healthcare Support Workers, All Other	102	102	-Avg.	Fair	HS	None	None	L
33-0000 Protective Service Occupations									
33-1011	First-Line Supervisors of Correctional Officers	260	247	Avg.	Fair	HS	<5	None	M
33-1012	First-Line Supervisors of Police and Detectives	386	403	High	Fair	HS	<5	MOJT	M
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	62	66	+Avg.	Poor	VocEd	<5	MOJT	M
33-1091	First-line Supervisors of Security Workers	349	337	Avg.	Fair	HS	<5	None	M
33-1099	First-Line Supervisors of Protective Service Workers, All Other	74	80	Avg.	Poor	HS	<5	None	M
33-2011	Firefighters	625	661	-Avg.	Good	VocEd	None	LOJT	M
33-2021	Fire Inspectors and Investigators	105	108	Avg.	Poor	VocEd	5+	MOJT	M
33-3011	Bailiffs	111	106	Low	Fair	HS	None	MOJT	M
33-3012	Correctional Officers and Jailers	1,783	1,601	Low	Excl.	HS	None	MOJT	M
33-3021	Detectives and Criminal Investigators	109	109	High	Poor	HS	<5	MOJT	M
33-3041	Parking Enforcement Workers	162	164	Low	Fair	HS	None	SOJT	L
33-3051	Police and Sheriff's Patrol Officers	1,953	2,038	+Avg.	Excl.	HS	None	MOJT	M
33-9031	Gambling Surveillance Officers and Gambling Investigators	48	46	Low	Poor	HS	<5	MOJT	M
33-9032	Security Guards	3,029	3,029	Low	Excl.	HS	None	SOJT	L
33-9091	Crossing Guards and Flaggers	276	292	Low	Good	NFE	None	SOJT	L
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	375	394	Low	Excl.	NFE	None	SOJT	L
33-9094	School Bus Monitors	247	248	Low	Good	HS	None	SOJT	L
33-9099	Protective Service Workers, All Other	305	345	Low	Excl.	HS	None	SOJT	L
35-0000 Food Preparation and Serving-Related Occupations									
35-1011	Chefs and Head Cooks	581	670	Avg.	Good	HS	5+	None	M
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	3,772	4,379	-Avg.	Excl.	HS	<5	None	M
35-2011	Cooks, Fast Food	2,325	2,218	Low	Excl.	NFE	None	SOJT	L
35-2012	Cooks, Institution and Cafeteria	2,573	2,870	-Avg.	Excl.	NFE	None	SOJT	L
35-2014	Cooks, Restaurant	5,369	7,155	Low	Excl.	NFE	<5	MOJT	L
35-2015	Cooks, Short Order	189	194	Low	Fair	NFE	None	SOJT	L
35-2021	Food Preparation Workers	2,290	2,476	Low	Excl.	NFE	None	SOJT	L
35-3011	Bartenders	2,978	3,384	Low	Excl.	NFE	None	SOJT	L
35-3023	Fast Food and Counter Workers	11,238	12,668	Low	Excl.	NFE	None	SOJT	L

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
35-3031	Waiters and Waitresses	7,112	7,534	Low	Excl.	NFE	None	SOJT	L
35-3041	Food Servers, Nonrestaurant	612	736	Low	Excl.	NFE	None	SOJT	L
35-9021	Dishwashers	1,812	1,957	Low	Excl.	NFE	None	SOJT	L
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,575	1,751	Low	Excl.	NFE	None	SOJT	L
37-0000 Building and Grounds Cleaning and Maintenance Occupations									
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,246	1,351	-Avg.	Excl.	HS	<5	None	M
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	669	687	Avg.	Good	HS	<5	None	M
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	7,608	8,041	Low	Excl.	NFE	None	SOJT	L
37-2012	Maids and Housekeeping Cleaners	3,050	3,420	Low	Excl.	NFE	None	SOJT	L
37-3011	Landscaping and Groundskeeping Workers	4,423	4,495	Low	Excl.	NFE	None	SOJT	L
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	56	62	-Avg.	Poor	HS	None	MOJT	M
39-0000 Personal Care and Service Occupations									
39-1013	First-Line Supervisors of Gambling Services Workers	134	130	Avg.	Fair	HS	<5	None	M
39-1014	First-line Supervisors of Entertainment And Recreation Workers, Except Gambling Services	442	480	Avg.	Good	HS	<5	None	M
39-1022	First-line Supervisors of Personal Service Workers	426	460	-Avg.	Good	HS	<5	None	M
39-2011	Animal Trainers	241	277	-Avg.	Good	HS	None	MOJT	M
39-2021	Animal Caretakers	1,349	1,494	Low	Excl.	HS	None	SOJT	L
39-3011	Gambling Dealers	361	344	Low	Good	HS	None	SOJT	L
39-3012	Gambling and Sports Book Writers and Runners	37	33	Low	Poor	HS	None	SOJT	L
39-3031	Ushers, Lobby Attendants, and Ticket Takers	205	165	Low	Good	NFE	None	SOJT	L
39-3091	Amusement and Recreation Attendants	1,603	1,585	Low	Excl.	NFE	None	SOJT	L
39-4021	Funeral Attendants	133	134	Low	Fair	HS	None	SOJT	L
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,582	2,759	Low	Excl.	VocEd	None	None	M
39-5092	Manicurists and Pedicurists	1,005	1,074	Low	Excl.	VocEd	None	None	M
39-5093	Shampooers	178	194	Low	Fair	NFE	None	SOJT	L
39-7010	Tour and Travel Guides	240	254	Low	Good	HS	None	MOJT	M
39-9011	Childcare Workers	1,977	2,031	Low	Excl.	HS	None	SOJT	L
39-9031	Exercise Trainers and Group Fitness Instructors	1,104	1,222	-Avg.	Excl.	HS	None	SOJT	L
39-9032	Recreation Workers	859	964	Low	Excl.	HS	None	SOJT	L
39-9041	Residential Advisors	384	462	Low	Good	HS	None	SOJT	L
39-9099	Personal Care and Service Workers, All Other	87	101	Low	Fair	HS	None	SOJT	L
41-0000 Sales and Related Occupations									
41-1011	First-Line Supervisors of Retail Sales Workers	4,542	4,571	Avg.	Excl.	HS	<5	None	M
41-1012	First-Line Supervisors of Non-Retail Sales Workers	1,014	979	High	Good	HS	<5	None	M
41-2011	Cashiers	11,469	11,194	Low	Excl.	NFE	None	SOJT	L

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
41-2021	Counter and Rental Clerks	967	965	-Avg.	Excl.	NFE	None	SOJT	L
41-2031	Retail Salespersons	13,427	14,125	Low	Excl.	NFE	None	SOJT	L
41-3011	Advertising Sales Agents	226	171	Avg.	Fair	HS	None	MOJT	M
41-3021	Insurance Sales Agents	1,581	1,695	+Avg.	Excl.	HS	None	MOJT	M
41-3031	Securities, Commodities, and Financial Services Sales Agents	2,664	2,768	High	Excl.	Bach	None	MOJT	H
41-3041	Travel Agents	136	137	-Avg.	Fair	HS	None	MOJT	M
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	3,471	3,525	+Avg.	Excl.	HS	None	MOJT	M
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,265	1,260	High	Excl.	Bach	None	MOJT	H
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,335	3,350	+Avg.	Excl.	HS	None	MOJT	M
41-9021	Real Estate Brokers	259	266	+Avg.	Fair	HS	<5	None	M
41-9022	Real Estate Sales Agents	2,033	2,097	Avg.	Excl.	HS	None	MOJT	M
41-9031	Sales Engineers	145	144	Avg.	Fair	Bach	None	MOJT	H
41-9041	Telemarketers	21	16	Avg.	Poor	NFE	None	SOJT	L
43-0000 Office and Administrative Support Occupations									
43-1011	First-Line Supervisors of Office and Administrative Support Workers	6,210	6,056	+Avg.	Excl.	HS	<5	None	M
43-2011	Switchboard Operators, Including Answering Service	256	197	Low	Fair	HS	None	SOJT	L
43-3011	Bill and Account Collectors	974	861	-Avg.	Good	HS	None	MOJT	M
43-3021	Billing and Posting Clerks	1,410	1,385	-Avg.	Excl.	HS	None	MOJT	M
43-3031	Bookkeeping, Accounting, and Auditing Clerks	6,089	5,760	-Avg.	Excl.	HS	None	MOJT	M
43-3051	Payroll and Timekeeping Clerks	389	331	-Avg.	Fair	HS	None	MOJT	M
43-3061	Procurement Clerks	157	142	Low	Fair	HS	None	MOJT	M
43-3071	Tellers	1,318	1,083	Low	Good	HS	None	SOJT	L
43-4011	Brokerage Clerks	603	525	Avg.	Good	HS	None	MOJT	M
43-4031	Court, Municipal, and License Clerks	990	996	Low	Good	HS	None	LOJT	M
43-4051	Customer Service Representatives	7,399	7,137	-Avg.	Excl.	HS	None	SOJT	L
43-4061	Eligibility Interviewers, Government Programs	180	188	-Avg.	Fair	HS	None	MOJT	M
43-4071	File Clerks	716	591	Low	Good	HS	None	SOJT	L
43-4081	Hotel, Motel, and Resort Desk Clerks	560	658	Low	Excl.	HS	None	SOJT	L
43-4111	Interviewers, Except Eligibility and Loan	520	505	-Avg.	Good	HS	None	SOJT	L
43-4121	Library Assistants, Clerical	439	402	Low	Good	HS	None	SOJT	L
43-4131	Loan Interviewers and Clerks	905	849	-Avg.	Good	HS	None	SOJT	L
43-4141	New Accounts Clerks	50	40	Avg.	Poor	HS	None	MOJT	M
43-4151	Order Clerks	259	217	Low	Fair	HS	None	SOJT	L
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	439	430	-Avg.	Good	Assoc	None	None	M

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
43-4171	Receptionists and Information Clerks	2,374	2,402	Low	Excl.	HS	None	SOJT	L
43-4199	Information and Record Clerks, All Other	255	263	-Avg.	Fair	HS	None	SOJT	L
43-5011	Cargo and Freight Agents	65	64	-Avg.	Poor	HS	None	SOJT	L
43-5021	Couriers and Messengers	637	644	Low	Good	HS	None	SOJT	L
43-5031	Public Safety Telecommunicators	290	308	-Avg.	Fair	HS	None	MOJT	M
43-5032	Dispatchers, Except Police, Fire, and Ambulance	576	613	-Avg.	Good	HS	None	MOJT	M
43-5041	Meter Readers, Utilities	44	41	Avg.	Poor	HS	None	SOJT	L
43-5051	Postal Service Clerks	217	242	Avg.	Fair	NFE	None	SOJT	L
43-5052	Postal Service Mail Carriers	1,025	1,144	Avg.	Good	NFE	None	SOJT	L
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	438	463	Avg.	Good	NFE	None	SOJT	L
43-5061	Production, Planning, and Expediting Clerks	480	541	Avg.	Good	HS	None	MOJT	M
43-5071	Shipping, Receiving, and Inventory Clerks	3,467	3,393	Low	Excl.	HS	None	SOJT	L
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	160	179	-Avg.	Fair	HS	None	SOJT	L
43-6011	Executive Secretaries and Executive Administrative Assistants	1,529	1,221	+Avg.	Excl.	HS	<5	None	M
43-6012	Legal Secretaries and Administrative Assistants	1,258	917	Avg.	Good	HS	None	MOJT	M
43-6013	Medical Secretaries and Administrative Assistants	5,323	5,995	-Avg.	Excl.	HS	None	MOJT	M
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	8,204	7,401	-Avg.	Excl.	HS	None	SOJT	L
43-9021	Data Entry Keyers	452	324	Low	Fair	HS	None	SOJT	L
43-9022	Word Processors and Typists	44	27	-Avg.	Poor	HS	None	SOJT	L
43-9041	Insurance Claims and Policy Processing Clerks	577	568	-Avg.	Good	HS	None	MOJT	M
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	301	291	Low	Fair	HS	None	SOJT	L
43-9061	Office Clerks, General	5,457	5,263	Low	Excl.	HS	None	SOJT	L
43-9071	Office Machine Operators, Except Computer	308	254	-Avg.	Fair	HS	None	SOJT	L
43-9081	Proofreaders and Copy Markers	20	19	Avg.	Poor	Bach	None	None	H
43-9199	Office and Administrative Support Workers, All Other	569	541	Avg.	Good	HS	None	SOJT	L
45-0000 Farming, Fishing, and Forestry Occupations									
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	234	248	Avg.	Fair	HS	<5	None	M
45-2011	Agricultural Inspectors	92	91	-Avg.	Fair	Bach	None	MOJT	H
45-2041	Graders and Sorters, Agricultural Products	372	390	Low	Good	NFE	None	SOJT	L
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,099	1,931	Low	Excl.	NFE	None	SOJT	L
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	616	764	Low	Excl.	NFE	None	SOJT	L
47-0000 Construction and Extraction Occupations									
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	2,728	2,920	+Avg.	Excl.	HS	5+	None	M
47-2021	Brickmasons and Blockmasons	233	246	+Avg.	Fair	HS	None	App	M

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
47-2022	Stonemasons	38	38	-Avg.	Poor	HS	None	App	M
47-2031	Carpenters	1,970	2,079	Avg.	Excl.	HS	None	App	M
47-2041	Carpet Installers	195	178	Avg.	Fair	NFE	None	SOJT	L
47-2044	Tile and Stone Setters	84	94	Avg.	Poor	NFE	None	LOJT	M
47-2051	Cement Masons and Concrete Finishers	391	401	Avg.	Fair	NFE	None	MOJT	L
47-2061	Construction Laborers	3,408	3,647	-Avg.	Excl.	NFE	None	SOJT	L
47-2071	Paving, Surfacing, and Tamping Equipment Operators	146	160	Avg.	Fair	HS	None	MOJT	M
47-2073	Operating Engineers and Other Construction Equipment Operators	1,387	1,469	Avg.	Excl.	HS	None	MOJT	M
47-2081	Drywall and Ceiling Tile Installers	380	407	-Avg.	Fair	NFE	None	MOJT	L
47-2111	Electricians	2,329	2,627	Avg.	Excl.	HS	None	App	M
47-2121	Glaziers	60	64	-Avg.	Poor	HS	None	App	M
47-2132	Insulation Workers, Mechanical	247	263	Avg.	Fair	HS	None	App	M
47-2141	Painters, Construction and Maintenance	801	847	-Avg.	Good	NFE	None	MOJT	L
47-2151	Pipelayers	77	81	Avg.	Poor	NFE	None	SOJT	L
47-2152	Plumbers, Pipefitters, and Steamfitters	1,554	1,668	Avg.	Excl.	HS	None	App	M
47-2181	Roofers	288	309	-Avg.	Fair	NFE	None	MOJT	L
47-2211	Sheet Metal Workers	660	682	Avg.	Good	HS	None	App	M
47-2221	Structural Iron and Steel Workers	172	185	Avg.	Fair	HS	None	App	M
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	121	112	-Avg.	Fair	NFE	None	SOJT	L
47-3012	Helpers--Carpenters	204	208	Low	Fair	NFE	None	SOJT	L
47-3013	Helpers--Electricians	178	181	Low	Fair	HS	None	SOJT	L
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	161	174	Low	Fair	HS	None	SOJT	L
47-3016	Helpers--Roofers	16	18	Low	Poor	NFE	None	SOJT	L
47-3019	Helpers, Construction Trades, All Other	47	49	Low	Poor	NFE	None	SOJT	L
47-4011	Construction and Building Inspectors	639	617	+Avg.	Good	HS	5+	MOJT	M
47-4021	Elevator and Escalator Installers and Repairers	85	91	+Avg.	Poor	HS	None	App	M
47-4031	Fence Erectors	156	162	-Avg.	Fair	NFE	None	MOJT	L
47-4051	Highway Maintenance Workers	92	101	-Avg.	Poor	HS	None	MOJT	M
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	102	126	-Avg.	Fair	HS	None	MOJT	M
47-4090	Miscellaneous Construction and Related Workers	321	341	-Avg.	Fair	HS	None	MOJT	M
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	123	130	Avg.	Fair	HS	<5	MOJT	M
47-5023	Earth Drillers, Except Oil and Gas	91	96	Avg.	Poor	HS	<5	LOJT	M
49-0000 Installation, Maintenance, and Repair Occupations									
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	1,860	1,951	+Avg.	Excl.	HS	<5	None	M
49-2011	Computer, Automated Teller, and Office Machine Repairers	285	240	-Avg.	Fair	HS	None	SOJT	L

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	88	85	-Avg.	Poor	Assoc	None	MOJT	M
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	555	449	Avg.	Fair	VocEd	None	MOJT	M
49-2091	Avionics Technicians	34	34	+Avg.	Poor	Assoc	None	None	M
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	180	186	+Avg.	Fair	VocEd	None	LOJT	M
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	75	77	High	Poor	VocEd	<5	MOJT	M
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	72	56	Avg.	Poor	HS	None	MOJT	M
49-2098	Security and Fire Alarm Systems Installers	138	143	Avg.	Fair	HS	None	MOJT	M
49-3011	Aircraft Mechanics and Service Technicians	362	365	+Avg.	Fair	VocEd	None	None	M
49-3021	Automotive Body and Related Repairers	411	394	Avg.	Fair	HS	None	LOJT	M
49-3023	Automotive Service Technicians and Mechanics	2,085	2,091	-Avg.	Excl.	VocEd	None	SOJT	M
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	481	503	Avg.	Good	HS	None	LOJT	M
49-3041	Farm Equipment Mechanics and Service Technicians	212	227	-Avg.	Fair	HS	None	LOJT	M
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	423	445	Avg.	Fair	HS	None	LOJT	M
49-3051	Motorboat Mechanics and Service Technicians	140	147	Avg.	Fair	HS	None	LOJT	M
49-3052	Motorcycle Mechanics	25	25	-Avg.	Poor	VocEd	None	SOJT	M
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	173	171	-Avg.	Fair	HS	None	MOJT	M
49-3093	Tire Repairers and Changers	274	274	Low	Fair	HS	None	SOJT	L
49-9011	Mechanical Door Repairers	53	55	Avg.	Poor	HS	None	MOJT	M
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	231	240	+Avg.	Fair	HS	None	MOJT	M
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,553	1,735	Avg.	Excl.	VocEd	None	LOJT	M
49-9031	Home Appliance Repairers	91	83	-Avg.	Poor	HS	None	MOJT	M
49-9041	Industrial Machinery Mechanics	833	1,018	+Avg.	Good	HS	None	LOJT	M
49-9043	Maintenance Workers, Machinery	38	48	Avg.	Poor	HS	None	LOJT	M
49-9044	Millwrights	55	58	+Avg.	Poor	HS	None	App	M
49-9051	Electrical Power-Line Installers and Repairers	254	280	High	Fair	HS	None	LOJT	M
49-9062	Medical Equipment Repairers	203	227	High	Fair	Assoc	None	MOJT	M
49-9069	Precision Instrument and Equipment Repairers, All Other	162	167	+Avg.	Fair	HS	None	LOJT	M
49-9071	Maintenance and Repair Workers, General	3,918	4,261	-Avg.	Excl.	HS	None	MOJT	M
49-9094	Locksmiths and Safe Repairers	65	58	Avg.	Poor	HS	None	LOJT	M
49-9095	Manufactured Building and Mobile Home Installers	76	57	-Avg.	Poor	HS	None	SOJT	L
49-9098	Helpers—Installation, Maintenance, and Repair Workers	553	582	Low	Good	HS	None	SOJT	L

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
49-9099	Installation, Maintenance, and Repair Workers, All Other	482	481	-Avg.	Good	HS	None	MOJT	M
51-0000 Production Occupations									
51-1011	First-Line Supervisors of Production and Operating Workers	1,461	1,609	+Avg.	Excl.	HS	<5	None	M
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	549	638	Low	Good	HS	None	MOJT	M
51-2041	Structural Metal Fabricators and Fitters	93	87	-Avg.	Poor	HS	None	MOJT	M
51-2090	Miscellaneous Assemblers and Fabricators	1,359	1,297	-Avg.	Excl.	HS	None	MOJT	M
51-3011	Bakers	263	307	Low	Good	NFE	None	MOJT	L
51-3021	Butchers and Meat Cutters	146	164	-Avg.	Fair	NFE	None	LOJT	M
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	3,429	3,875	Low	Excl.	NFE	None	SOJT	L
51-3023	Slaughterers and Meat Packers	208	224	Low	Fair	NFE	None	SOJT	L
51-3092	Food Batchmakers	305	374	Low	Good	HS	None	MOJT	M
51-3099	Food Processing Workers, All Other	191	227	Low	Fair	NFE	None	MOJT	L
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	436	394	-Avg.	Fair	HS	None	MOJT	M
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	225	219	-Avg.	Fair	HS	None	MOJT	M
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	103	99	Low	Fair	HS	None	MOJT	M
51-4041	Machinists	353	377	Avg.	Fair	HS	None	LOJT	M
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	102	95	-Avg.	Poor	HS	None	MOJT	M
51-4111	Tool and Die Makers	27	25	+Avg.	Poor	VocEd	None	LOJT	M
51-4121	Welders, Cutters, Solderers, and Brazers	628	670	Avg.	Good	HS	None	MOJT	M
51-5111	Prepress Technicians and Workers	35	28	-Avg.	Poor	VocEd	None	None	M
51-5112	Printing Press Operators	341	344	-Avg.	Fair	HS	None	MOJT	M
51-5113	Print Binding and Finishing Workers	55	49	-Avg.	Poor	HS	None	MOJT	M
51-6011	Laundry and Dry-Cleaning Workers	539	572	Low	Good	NFE	None	SOJT	L
51-6021	Pressers, Textile, Garment, and Related Materials	13	10	Low	Poor	NFE	None	SOJT	L
51-6031	Sewing Machine Operators	184	201	Low	Fair	NFE	None	SOJT	L
51-6041	Shoe and Leather Workers and Repairers	16	15	Low	Poor	HS	None	MOJT	M
51-6093	Upholsterers	33	32	-Avg.	Poor	HS	None	MOJT	M
51-6099	Textile, Apparel, and Furnishings Workers, All Other	68	78	-Avg.	Poor	HS	None	SOJT	L
51-7011	Cabinetmakers and Bench Carpenters	211	190	-Avg.	Fair	HS	None	MOJT	M
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	48	57	Low	Poor	HS	None	MOJT	M
51-8021	Stationary Engineers and Boiler Operators	52	59	+Avg.	Poor	HS	None	LOJT	M
51-8031	Water and Wastewater Treatment Plant and System Operators	306	306	Avg.	Fair	HS	None	LOJT	M
51-8092	Gas Plant Operators	28	26	+Avg.	Poor	HS	None	LOJT	M

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
51-9011	Chemical Equipment Operators and Tenders	745	730	+Avg.	Good	HS	None	MOJT	M
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	86	110	-Avg.	Fair	HS	None	MOJT	M
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	54	56	-Avg.	Poor	HS	None	MOJT	M
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	399	432	-Avg.	Good	HS	None	MOJT	M
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	78	79	-Avg.	Poor	HS	None	MOJT	M
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,087	1,097	-Avg.	Excl.	HS	None	MOJT	M
51-9111	Packaging and Filling Machine Operators and Tenders	1,101	1,315	Low	Excl.	HS	None	MOJT	M
51-9123	Painting, Coating, and Decorating Workers	15	14	-Avg.	Poor	NFE	None	MOJT	L
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	165	167	Avg.	Fair	HS	None	MOJT	M
51-9161	Computer Numerically Controlled Tool Operators	101	93	-Avg.	Poor	HS	None	MOJT	M
51-9162	Computer Numerically Controlled Tool Programmers	35	42	+Avg.	Poor	VocEd	None	MOJT	M
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	17	20	-Avg.	Poor	HS	None	MOJT	M
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	164	203	-Avg.	Fair	HS	None	LOJT	M
51-9198	Helpers—Production Workers	232	222	Low	Fair	HS	None	SOJT	L
53-0000 Transportation and Material Moving Occupations									
53-2012	Commercial Pilots	252	291	High	Fair	VocEd	None	MOJT	M
53-2031	Flight Attendants	13	17	+Avg.	Poor	HS	<5	MOJT	M
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	78	80	Low	Fair	HS	None	MOJT	M
53-3032	Heavy and Tractor-Trailer Truck Drivers	8,030	9,459	Avg.	Excl.	VocEd	None	SOJT	M
53-3033	Light Truck Drivers	4,092	4,776	-Avg.	Excl.	HS	None	SOJT	L
53-3051	Bus Drivers, School	1,310	1,340	-Avg.	Excl.	HS	None	SOJT	L
53-3052	Bus Drivers, Transit and Intercity	490	497	-Avg.	Good	HS	None	MOJT	M
53-3053	Shuttle Drivers and Chauffeurs	834	892	Low	Excl.	NFE	None	SOJT	L
53-4031	Railroad Conductors and Yardmasters	125	119	High	Poor	HS	None	MOJT	M
53-5011	Sailors and Marine Oilers	51	56	-Avg.	Poor	NFE	None	MOJT	L
53-5021	Captains, Mates, and Pilots of Water Vessels	98	108	+Avg.	Fair	VocEd	<5	None	M
53-6021	Parking Attendants	211	207	Low	Fair	NFE	None	SOJT	L
53-6031	Automotive and Watercraft Service Attendants	226	230	Low	Fair	NFE	None	SOJT	L
53-6032	Aircraft Service Attendants	41	40	-Avg.	Poor	HS	None	SOJT	L
53-6051	Transportation Inspectors	50	48	-Avg.	Poor	HS	None	MOJT	M
53-7021	Crane and Tower Operators	71	72	Avg.	Poor	HS	<5	MOJT	M
53-7051	Industrial Truck and Tractor Operators	5,825	6,612	-Avg.	Excl.	NFE	None	SOJT	L
53-7061	Cleaners of Vehicles and Equipment	1,137	1,180	Low	Excl.	NFE	None	SOJT	L

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2022 Est. Empl.	2032 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	5,031	5,390	Low	Excl.	NFE	None	SOJT	L
53-7063	Machine Feeders and Offbearers	86	93	Low	Fair	NFE	None	SOJT	L
53-7064	Packers and Packagers, Hand	2,002	2,193	Low	Excl.	NFE	None	SOJT	L
53-7065	Stockers and Order Fillers	6,841	8,128	Low	Excl.	HS	None	SOJT	L
53-7081	Refuse and Recyclable Material Collectors	708	780	-Avg.	Good	NFE	None	SOJT	L

Occupation Projections by Career Cluster

This section contains occupations grouped by career clusters. The US Department of Education developed these 16 groupings as a way to link school and work, helping students to choose a curriculum which is best suited to their career plans. The occupations listed here are the same ones displayed in the previous section; they are simply organized differently and present some different information.

In table 2, occupations are arranged alphabetically within each of the 16 career clusters. For each occupation, we provide its SOC code, forecasted average annual growth rate from 2022 to 2032, average annual openings due to growth for that period, average annual exits (workers leaving an occupation and the labor force), average annual transfers (workers leaving an occupation and transferring to a different occupation), annual total openings, and the estimated 2022 average annual wage. The SOC code can be used to refer back to the previous section to find the usual education, experience, and training requirements for the occupation.

The **Hospitality & Tourism** cluster is expected to generate the most job openings, with 119,419 projected. The **Health Science** cluster has the most job growth projected, with 10,779. The clusters with the fewest job openings projected are **Arts, Audio/Video Technology & Communications**, with 3,497; **Science, Technology, Engineering & Mathematics (STEM)**, with 4,795; and **Government & Public Administration**, with 5,629. It may be surprising for **Science, Technology, Engineering & Mathematics (STEM)** to be on the list of fewest job openings, but it is in part due to **Information Technology**, which is usually considered part of STEM, having its own cluster.

While **Information Technology** job openings may be relatively scarce, it is the highest-paying cluster; its occupations paid an average wage of \$110,977 in 2022. **Science, Technology, Engineering & Mathematics (STEM)** was next highest, at \$109,936. **Hospitality and Tourism** again had the lowest average wage. This cluster's occupations paid an average \$33,037 in 2022. The cluster with the second lowest average pay is **Human Services**, at \$44,730.

Wages, Projected Openings, and Growth by Career Cluster, 2022–2032

Career Cluster	Average Wage 2022	Rank	Total Openings	Rank	Percent Total Openings	Job Growth	Ann. Growth Rate
Agriculture, Food & Natural Resources	\$44,936	14th	10,058	13th	1.8%	283	0.4%
Architecture & Construction	\$57,407	10th	30,571	7th	5.4%	1,686	0.5%
Arts, Audio/Video Technology & Communications	\$64,708	8th	3,497	16th	0.6%	-248	-0.6%
Business Management & Administration	\$68,445	5th	85,249	2nd	15.0%	388	0.0%
Education & Training	\$62,069	9th	32,209	6th	5.7%	3,418	1.0%
Finance	\$92,070	3rd	19,365	10th	3.4%	726	0.3%
Government & Public Administration	\$67,561	6th	5,629	14th	1.0%	403	0.7%
Health Science	\$69,689	4th	66,683	3rd	11.7%	10,779	1.8%
Hospitality & Tourism	\$33,037	16th	119,419	1st	21.0%	6,784	1.1%
Human Services	\$44,730	15th	23,079	9th	4.0%	1,675	0.9%
Information Technology	\$110,977	1st	10,741	12th	1.9%	1,550	1.0%
Law, Public Safety, Corrections & Security	\$67,098	7th	17,795	11th	3.1%	-126	-0.1%
Manufacturing	\$50,714	12th	27,688	8th	4.9%	1,805	0.7%
Marketing, Sales & Service	\$54,026	11th	65,931	4th	11.6%	1,138	0.2%
Science, Technology, Engineering & Mathematics	\$109,936	2nd	4,795	15th	0.8%	506	0.8%
Transportation, Distribution & Logistics	\$47,670	13th	47,160	5th	8.3%	3,833	1.0%

Table 2: Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
<i>Agriculture, Food, and Natural Resources</i>							
39-2021	Animal Caretakers	1.0%	14	92	163	269	\$31,029
19-4021	Biological Technicians	0.5%	1	6	15	22	\$54,985
17-3025	Environmental Engineering Technologists and Technicians	0.0%	0	2	3	5	\$69,772
17-2081	Environmental Engineers	0.3%	0	4	5	9	\$105,275
19-4042	Environmental Science and Protection Technicians, Including Health	0.3%	0	2	7	9	\$47,488
49-3041	Farm Equipment Mechanics and Service Technicians	0.7%	2	7	11	20	\$45,293
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	-0.8%	-17	114	182	279	\$30,512
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	2.2%	15	39	62	116	\$37,649
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	0.6%	1	13	19	33	\$60,774
19-4013	Food Science Technicians	1.3%	0	1	3	4	\$42,750
19-4071	Forest and Conservation Technicians	0.0%	0	1	2	3	\$33,445
19-1032	Foresters	-0.8%	0	0	1	1	\$61,194
19-4043	Geological Technicians, Except Hydrologic Technicians	0.2%	0	1	4	5	\$46,085
45-2041	Graders and Sorters, Agricultural Products	0.5%	2	21	34	57	\$33,929
11-9121	Natural Sciences Managers	-0.1%	0	9	16	25	\$150,844
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	1.0%	1	2	6	9	\$47,103
53-7081	Refuse and Recyclable Material Collectors	1.0%	7	34	57	98	\$39,924
19-1013	Soil and Plant Scientists	1.3%	2	2	9	13	\$67,848
51-8031	Water and Wastewater Treatment Plant and System Operators	0.0%	0	13	16	29	\$56,302
<i>Architecture and Construction</i>							
17-1011	Architects, Except Landscape and Naval	0.0%	0	3	4	7	\$85,069
17-3011	Architectural and Civil Drafters	-0.4%	-1	15	18	32	\$56,418
47-2021	Brickmasons and Blockmasons	0.5%	1	8	11	20	\$65,043
47-2031	Carpenters	0.5%	11	70	95	176	\$57,257
47-2041	Carpet Installers	-0.9%	-2	6	8	12	\$59,295
47-2051	Cement Masons and Concrete Finishers	0.3%	1	10	20	31	\$52,082
17-3022	Civil Engineering Technologists and Technicians	-0.3%	-1	16	22	37	\$48,758
17-2051	Civil Engineers	0.1%	1	22	37	60	\$102,911
47-2061	Construction Laborers	0.7%	24	122	178	324	\$42,956
11-9021	Construction Managers	0.8%	7	21	39	67	\$126,507
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	0.4%	1	8	9	18	\$74,825
13-1051	Cost Estimators	0.0%	0	40	62	102	\$70,964
53-7021	Crane and Tower Operators	0.1%	0	2	4	6	\$62,964

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
47-2081	Drywall and Ceiling Tile Installers	0.7%	3	10	16	29	\$45,499
47-5023	Earth Drillers, Except Oil and Gas	0.5%	0	4	5	9	\$61,385
49-9051	Electrical Power-Line Installers and Repairers	1.0%	3	7	13	23	\$86,882
47-2111	Electricians	1.2%	30	82	134	246	\$60,036
47-4021	Elevator and Escalator Installers and Repairers	0.7%	1	3	4	8	\$82,121
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	0.6%	1	6	7	14	\$56,986
47-4031	Fence Erectors	0.4%	1	4	9	14	\$42,446
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	0.7%	19	94	128	241	\$80,643
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	0.3%	2	27	42	71	\$56,123
47-2121	Glaziers	0.6%	0	3	4	7	\$44,777
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1.1%	18	52	85	155	\$56,923
47-3019	Helpers, Construction Trades, All Other	0.4%	0	2	4	6	\$36,197
47-3011	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	-0.8%	-1	4	9	12	\$45,359
47-3012	Helpers—Carpenters	0.2%	0	7	15	22	\$34,615
47-3013	Helpers—Electricians	0.2%	0	6	13	19	\$36,871
49-9098	Helpers—Installation, Maintenance, and Repair Workers	0.5%	3	34	28	65	\$35,445
47-3015	Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters	0.8%	1	6	12	19	\$37,179
47-3016	Helpers—Roofers	1.2%	0	1	1	2	\$37,988
47-4051	Highway Maintenance Workers	0.9%	1	4	4	9	\$40,455
47-2132	Insulation Workers, Mechanical	0.6%	2	7	12	21	\$54,010
27-1025	Interior Designers	0.2%	0	7	8	15	\$56,925
37-3011	Landscaping and Groundskeeping Workers	0.2%	7	222	346	575	\$35,817
49-9095	Manufactured Building and Mobile Home Installers	-2.8%	-2	3	4	5	\$41,976
49-9011	Mechanical Door Repairers	0.4%	0	2	2	4	\$53,805
49-9044	Millwrights	0.5%	0	2	3	5	\$70,623
47-4090	Miscellaneous Construction and Related Workers	0.6%	2	12	18	32	\$42,758
47-2073	Operating Engineers and Other Construction Equipment Operators	0.6%	8	47	72	127	\$52,792
47-2141	Painters, Construction and Maintenance	0.6%	5	28	35	68	\$42,980
47-2071	Paving, Surfacing, and Tamping Equipment Operators	0.9%	1	5	8	14	\$57,056
47-2151	Pipelayers	0.5%	0	2	4	6	\$52,848
47-2152	Plumbers, Pipefitters, and Steamfitters	0.7%	11	51	86	148	\$61,507
47-2181	Roofers	0.7%	2	8	15	25	\$49,493
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	2.1%	2	4	6	12	\$41,357
47-2211	Sheet Metal Workers	0.3%	2	25	36	63	\$58,991
51-8021	Stationary Engineers and Boiler Operators	1.3%	1	2	3	6	\$72,696

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
47-2022	Stonemasons	0.0%	0	1	2	3	\$46,948
47-2221	Structural Iron and Steel Workers	0.7%	1	4	11	16	\$60,245
51-2041	Structural Metal Fabricators and Fitters	-0.7%	-1	3	6	8	\$44,636
17-3031	Surveying and Mapping Technicians	-0.1%	0	7	12	19	\$48,477
17-1022	Surveyors	0.0%	0	4	4	8	\$78,888
47-2044	Tile and Stone Setters	1.1%	1	3	4	8	\$55,872
Arts, Audio/Visual, and Communications							
27-1011	Art Directors	0.8%	1	5	5	11	\$92,207
27-4011	Audio and Video Technicians	0.4%	0	3	6	9	\$63,846
27-4012	Broadcast Technicians	-3.0%	-1	1	1	1	\$50,577
13-1020	Buyers and Purchasing Agents	-0.7%	-10	48	69	107	\$79,053
27-4031	Camera Operators, Television, Video, and Film	0.0%	0	1	1	2	\$49,882
27-1021	Commercial and Industrial Designers	-0.3%	0	1	1	2	\$81,799
27-3041	Editors	-0.7%	-1	7	8	14	\$69,659
27-1023	Floral Designers	-2.5%	-3	7	6	10	\$34,557
27-1024	Graphic Designers	0.3%	1	15	28	44	\$59,732
27-3023	News Analysts, Reporters, and Journalists	-0.8%	0	3	4	7	\$48,237
27-4021	Photographers	0.0%	0	12	16	28	\$42,369
51-5111	Prepress Technicians and Workers	-2.2%	-1	2	2	3	\$48,431
51-5113	Print Binding and Finishing Workers	-1.1%	-1	2	2	3	\$47,050
51-5112	Printing Press Operators	0.1%	0	15	21	36	\$44,858
27-2012	Producers and Directors	-0.9%	-1	4	6	9	\$71,597
43-9081	Proofreaders and Copy Markers	-0.5%	0	2	1	3	\$58,733
27-4014	Sound Engineering Technicians	-2.5%	0	0	1	1	\$53,177
27-3042	Technical Writers	0.5%	0	3	5	8	\$104,192
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	-2.1%	-11	18	32	39	\$54,656
27-3043	Writers and Authors	0.0%	0	5	5	10	\$80,256
Business, Management, and Administration							
11-3012	Administrative Services Managers	0.5%	4	25	29	58	\$141,753
43-3031	Bookkeeping, Accounting, and Auditing Clerks	-0.6%	-33	384	302	653	\$47,050
13-1199	Business Operations Specialists, All Other	0.5%	7	52	80	139	\$75,158
11-1011	Chief Executives	-1.0%	-5	15	17	27	\$157,598
11-3111	Compensation and Benefits Managers	0.0%	0	0	1	1	\$172,160
13-1141	Compensation, Benefits, and Job Analysis Specialists	0.8%	2	7	10	19	\$89,929
11-3021	Computer and Information Systems Managers	1.1%	21	38	86	145	\$195,136
43-4051	Customer Service Representatives	-0.4%	-26	406	570	950	\$42,464
43-9021	Data Entry Keyers	-3.3%	-13	19	25	31	\$33,819
11-9072	Entertainment And Recreation Managers, Except Gambling	0.5%	0	1	1	2	\$79,622

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
43-6011	Executive Secretaries and Executive Administrative Assistants	-2.2%	-31	62	78	109	\$70,170
11-3013	Facilities Managers	0.6%	1	6	8	15	\$127,466
43-4071	File Clerks	-1.9%	-12	40	39	67	\$31,066
43-1011	First-Line Supervisors of Office and Administrative Support Workers	-0.3%	-15	257	329	571	\$68,947
13-1131	Fundraisers	0.9%	4	14	21	39	\$64,194
11-1021	General and Operations Managers	0.6%	28	122	264	414	\$164,648
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	-0.2%	-1	19	29	47	\$41,806
11-3121	Human Resources Managers	0.3%	2	16	25	43	\$157,803
13-1071	Human Resources Specialists	0.4%	11	76	132	219	\$77,308
11-3051	Industrial Production Managers	1.0%	5	11	19	35	\$147,717
43-4199	Information and Record Clerks, All Other	0.3%	1	13	16	30	\$45,406
43-4111	Interviewers, Except Eligibility and Loan	-0.3%	-2	27	35	60	\$48,457
13-1075	Labor Relations Specialists	0.1%	1	32	55	88	\$89,584
43-4121	Library Assistants, Clerical	-0.9%	-4	42	31	69	\$27,542
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	-0.3%	-1	20	19	38	\$35,597
13-1111	Management Analysts	0.8%	40	173	231	444	\$89,701
11-9199	Managers, All Other	0.3%	4	47	64	115	\$163,234
13-1121	Meeting, Convention, and Event Planners	0.8%	4	19	29	52	\$52,187
43-5041	Meter Readers, Utilities	-0.7%	0	2	2	4	\$53,362
43-4141	New Accounts Clerks	-2.2%	-1	1	3	3	\$50,577
43-9199	Office and Administrative Support Workers, All Other	-0.5%	-3	23	36	56	\$53,420
43-9061	Office Clerks, General	-0.4%	-19	324	315	620	\$37,537
43-9071	Office Machine Operators, Except Computer	-1.9%	-5	16	21	32	\$39,524
15-2031	Operations Research Analysts	2.1%	20	27	30	77	\$97,595
43-4151	Order Clerks	-1.8%	-4	11	16	23	\$34,397
43-3051	Payroll and Timekeeping Clerks	-1.6%	-6	17	19	30	\$45,417
43-5051	Postal Service Clerks	1.1%	2	11	8	21	\$58,304
43-5052	Postal Service Mail Carriers	1.1%	12	44	37	93	\$56,256
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	0.6%	2	24	16	42	\$53,084
43-3061	Procurement Clerks	-1.0%	-2	4	9	11	\$38,445
13-1082	Project Management Specialists	0.4%	6	36	73	115	\$108,623
11-3061	Purchasing Managers	0.1%	0	5	8	13	\$147,717
43-4171	Receptionists and Information Clerks	0.1%	3	151	166	320	\$31,629
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	-1.0%	-80	454	411	785	\$44,642
43-5071	Shipping, Receiving, and Inventory Clerks	-0.2%	-7	141	204	338	\$37,811
53-7065	Stockers and Order Fillers	1.7%	129	466	733	1,328	\$31,908

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
43-2011	Switchboard Operators, Including Answering Service	-2.6%	-6	10	12	16	\$34,001
11-3131	Training and Development Managers	0.4%	0	2	4	6	\$147,408
13-1151	Training and Development Specialists	0.7%	9	37	64	110	\$75,596
43-9022	Word Processors and Typists	-4.8%	-2	3	2	3	\$47,965
Education and Training							
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	-0.5%	-2	20	18	36	\$63,939
25-1041	Agricultural Sciences Teachers, Postsecondary	1.5%	2	6	4	12	\$74,262
25-4011	Archivists	0.9%	0	3	3	6	\$51,688
25-1042	Biological Science Teachers, Postsecondary	1.8%	3	8	6	17	\$74,262
25-1011	Business Teachers, Postsecondary	1.7%	8	21	16	45	\$98,348
25-1194	Career/Technical Education Teachers, Postsecondary	0.6%	1	10	8	19	\$56,930
25-2032	Career/Technical Education Teachers, Secondary School	0.9%	5	17	18	40	\$76,735
27-2022	Coaches and Scouts	1.2%	12	54	69	135	\$53,865
25-1122	Communications Teachers, Postsecondary	1.4%	1	4	3	8	\$72,266
25-1021	Computer Science Teachers, Postsecondary	1.5%	3	9	7	19	\$84,359
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	1.6%	0	1	1	2	\$72,266
25-4012	Curators	1.0%	1	4	4	9	\$63,124
11-9039	Education Administrators, All Other	1.0%	1	3	4	8	\$104,666
11-9032	Education Administrators, Kindergarten through Secondary	0.9%	9	26	37	72	\$123,766
11-9033	Education Administrators, Postsecondary	1.3%	6	14	19	39	\$150,596
11-9031	Education and Childcare Administrators, Preschool and Daycare	0.1%	0	11	16	27	\$53,113
25-1081	Education Teachers, Postsecondary	1.4%	3	9	7	19	\$72,083
25-9099	Educational Instruction and Library Workers, All Other	0.6%	0	3	3	6	\$52,143
21-1012	Educational, Guidance, and Career Counselors and Advisors	1.4%	22	48	64	134	\$66,309
25-2021	Elementary School Teachers, Except Special Education	1.0%	51	166	163	380	\$64,103
25-1123	English Language and Literature Teachers, Postsecondary	1.1%	3	12	9	24	\$66,688
25-9021	Farm and Home Management Educators	0.8%	1	6	5	12	\$64,135
25-1124	Foreign Language and Literature Teachers, Postsecondary	1.1%	2	6	4	12	\$66,688
25-1071	Health Specialties Teachers, Postsecondary	2.8%	9	14	11	34	\$73,176
25-9031	Instructional Coordinators	1.0%	13	60	51	124	\$67,615
27-3091	Interpreters and Translators	0.3%	0	6	6	12	\$80,256
25-2012	Kindergarten Teachers, Except Special Education	1.0%	3	12	15	30	\$55,028
25-4022	Librarians and Media Collections Specialists	0.7%	3	24	16	43	\$72,045
25-4031	Library Technicians	-0.7%	-2	21	14	33	\$45,290

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
25-2022	Middle School Teachers, Except Special and Career/ Technical Education	1.0%	18	60	59	137	\$65,880
25-4013	Museum Technicians and Conservators	0.6%	0	5	4	9	\$42,880
25-1072	Nursing Instructors and Teachers, Postsecondary	2.7%	9	16	12	37	\$85,786
25-1054	Physics Teachers, Postsecondary	1.3%	2	5	4	11	\$88,392
25-2011	Preschool Teachers, Except Special Education	0.8%	17	99	128	244	\$29,726
25-1066	Psychology Teachers, Postsecondary	1.5%	2	5	4	11	\$88,392
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	1.1%	49	134	149	332	\$68,810
25-3021	Self-Enrichment Teachers	0.5%	2	27	25	54	\$63,939
25-1067	Sociology Teachers, Postsecondary	1.3%	1	4	3	8	\$73,176
25-2052	Special Education Teachers, Kindergarten and Elementary School	1.0%	12	43	43	98	\$66,106
25-2057	Special Education Teachers, Middle School	1.0%	1	3	3	7	\$58,819
25-2058	Special Education Teachers, Secondary School	1.0%	12	40	40	92	\$69,362
25-3031	Substitute Teachers, Short-Term	1.0%	6	35	32	73	\$35,300
25-3099	Teachers and Instructors, All Other	0.4%	1	9	9	19	\$57,192
25-9045	Teaching Assistants, Except Postsecondary	0.8%	39	267	277	583	\$36,295
25-9044	Teaching Assistants, Postsecondary	1.4%	5	19	20	44	\$67,615
25-3041	Tutors	1.1%	7	54	47	108	\$31,543
Finance							
13-2011	Accountants and Auditors	0.3%	15	186	272	473	\$84,624
43-3011	Bill and Account Collectors	-1.2%	-11	45	53	87	\$43,996
43-4011	Brokerage Clerks	-1.4%	-8	29	34	55	\$53,309
13-2031	Budget Analysts	0.1%	0	4	5	9	\$84,348
13-1031	Claims Adjusters, Examiners, and Investigators	-0.4%	-3	20	32	49	\$77,483
13-2051	Financial and Investment Analysts	1.0%	20	46	88	154	\$106,698
11-3031	Financial Managers	1.4%	37	70	111	218	\$191,748
13-2054	Financial Risk Specialists	0.7%	10	32	58	100	\$122,909
13-2099	Financial Specialists, All Other	1.2%	21	40	73	134	\$84,136
43-9041	Insurance Claims and Policy Processing Clerks	-0.2%	-1	23	28	50	\$49,792
41-3021	Insurance Sales Agents	0.7%	11	61	68	140	\$73,026
13-2053	Insurance Underwriters	-0.4%	0	3	4	7	\$87,330
43-4131	Loan Interviewers and Clerks	-0.6%	-6	30	42	66	\$44,691
13-2072	Loan Officers	-0.1%	-1	28	43	70	\$83,902
13-2020	Property Appraisers and Assessors	0.5%	1	7	5	13	\$57,038
41-3031	Securities, Commodities, and Financial Services Sales Agents	0.4%	10	75	123	208	\$91,196
43-3071	Tellers	-1.9%	-24	54	68	98	\$39,179

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
Government and Public Administration							
45-2011	Agricultural Inspectors	-0.1%	0	4	10	14	\$49,603
13-1041	Compliance Officers	0.2%	4	57	68	129	\$77,483
47-4011	Construction and Building Inspectors	-0.3%	-2	41	30	69	\$68,296
43-4031	Court, Municipal, and License Clerks	0.1%	1	51	47	99	\$38,119
43-4061	Eligibility Interviewers, Government Programs	0.4%	1	7	9	17	\$41,137
13-2061	Financial Examiners	3.0%	26	28	34	88	\$84,607
11-1031	Legislators	0.2%	0	3	4	7	\$64,716
19-5011	Occupational Health and Safety Specialists	1.4%	8	17	47	72	\$86,594
19-5012	Occupational Health and Safety Technicians	1.1%	2	4	11	17	\$55,945
11-9131	Postmasters and Mail Superintendents	1.2%	0	1	2	3	\$88,629
13-2081	Tax Examiners and Collectors, and Revenue Agents	-0.1%	0	4	4	8	\$65,419
53-6051	Transportation Inspectors	-0.4%	0	2	3	5	\$43,211
19-3051	Urban and Regional Planners	0.2%	1	11	24	36	\$62,731
Health Sciences							
29-9091	Athletic Trainers	2.4%	4	6	5	15	\$51,704
29-1181	Audiologists	1.3%	1	2	1	4	\$74,655
29-1212	Cardiologists	0.9%	1	2	1	4	N/A
29-2031	Cardiovascular Technologists and Technicians	1.3%	5	13	11	29	\$58,190
29-1011	Chiropractors	1.2%	2	5	1	8	\$87,757
29-2010	Clinical Laboratory Technologists and Technicians	1.4%	9	21	19	49	\$63,882
31-9091	Dental Assistants	1.0%	9	52	77	138	\$52,503
29-1292	Dental Hygienists	1.0%	8	33	17	58	\$89,493
29-1021	Dentists, General	0.8%	3	8	2	13	\$206,271
29-1213	Dermatologists	0.7%	0	1	0	1	\$308,233
29-2032	Diagnostic Medical Sonographers	2.3%	6	8	7	21	\$80,634
29-2051	Dietetic Technicians	1.3%	1	4	4	9	\$36,105
29-1031	Dietitians and Nutritionists	1.2%	5	14	11	30	\$71,516
29-1215	Family Medicine Physicians	1.1%	6	11	3	20	\$229,988
29-1216	General Internal Medicine Physicians	1.6%	1	1	0	2	\$240,586
29-9021	Health Information Technologists and Medical Registrars	2.3%	2	3	2	7	\$55,687
29-2099	Health Technologists and Technicians, All Other	1.3%	3	9	8	20	\$52,926
31-9099	Healthcare Support Workers, All Other	0.0%	0	6	8	14	\$43,795
31-1120	Home Health and Personal Care Aides	2.6%	282	875	730	1,887	\$27,865
29-2061	Licensed Practical and Licensed Vocational Nurses	1.6%	36	94	81	211	\$57,359
29-2035	Magnetic Resonance Imaging Technologists	1.7%	4	7	5	16	\$81,191
11-9111	Medical and Health Services Managers	3.2%	48	43	64	155	\$150,844
31-9092	Medical Assistants	2.0%	61	147	252	460	\$38,106
31-9093	Medical Equipment Preparers	1.4%	3	14	19	36	\$48,625
29-2072	Medical Records Specialists	1.4%	7	18	14	39	\$47,381

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
19-1042	Medical Scientists, Except Epidemiologists	0.6%	3	6	22	31	\$119,121
43-6013	Medical Secretaries and Administrative Assistants	1.2%	67	300	287	654	\$40,224
31-9094	Medical Transcriptionists	-0.4%	-1	10	16	25	\$40,921
29-1217	Neurologists	0.9%	1	1	0	2	\$283,276
29-2033	Nuclear Medicine Technologists	1.0%	1	2	2	5	\$85,158
29-1151	Nurse Anesthetists	1.6%	1	2	2	5	\$198,075
29-1161	Nurse Midwives	1.2%	1	2	2	5	\$109,183
29-1171	Nurse Practitioners	4.4%	54	28	28	110	\$120,574
31-1131	Nursing Assistants	1.8%	84	306	378	768	\$36,673
29-1218	Obstetricians and Gynecologists	1.1%	2	3	1	6	\$302,152
29-1122	Occupational Therapists	1.5%	7	14	12	33	\$88,180
31-2011	Occupational Therapy Assistants	2.6%	4	8	13	25	\$71,362
29-2057	Ophthalmic Medical Technicians	1.6%	3	9	9	21	\$41,364
29-2081	Opticians, Dispensing	0.6%	2	11	11	24	\$37,256
29-1041	Optometrists	1.1%	1	2	1	4	\$116,521
31-1132	Orderlies	1.4%	4	18	28	50	\$35,597
29-1221	Pediatricians, General	0.9%	2	4	1	7	\$187,848
29-1051	Pharmacists	1.0%	10	23	14	47	\$127,408
31-9095	Pharmacy Aides	0.0%	0	7	12	19	\$32,187
29-2052	Pharmacy Technicians	1.1%	14	49	62	125	\$38,619
31-9097	Phlebotomists	1.4%	5	19	30	54	\$44,222
31-2022	Physical Therapist Aides	0.9%	2	10	19	31	\$32,662
31-2021	Physical Therapist Assistants	3.1%	11	17	31	59	\$63,060
29-1123	Physical Therapists	2.1%	23	26	17	66	\$96,461
29-1071	Physician Assistants	3.2%	24	17	21	62	\$124,146
29-1229	Physicians, All Other	1.0%	13	25	7	45	\$229,015
29-1081	Podiatrists	0.8%	1	2	0	3	\$147,620
31-1133	Psychiatric Aides	2.0%	3	8	11	22	\$37,970
29-2053	Psychiatric Technicians	1.9%	3	6	7	16	\$36,007
29-1223	Psychiatrists	1.4%	1	2	1	4	\$209,508
29-1124	Radiation Therapists	1.2%	1	1	1	3	\$108,086
29-2034	Radiologic Technologists and Technicians	1.3%	11	25	18	54	\$69,491
29-1224	Radiologists	1.2%	1	1	0	2	\$303,019
29-1125	Recreational Therapists	1.1%	1	3	2	6	\$47,804
29-1141	Registered Nurses	1.5%	185	420	260	865	\$85,023
29-1126	Respiratory Therapists	2.3%	10	14	8	32	\$76,634
29-1249	Surgeons, All Other	1.4%	1	1	0	2	N/A
29-2055	Surgical Technologists	1.4%	6	13	12	31	\$55,850
29-1131	Veterinarians	1.1%	4	8	3	15	\$116,712
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	1.2%	2	10	21	33	\$36,249
29-2056	Veterinary Technologists and Technicians	1.2%	6	17	28	51	\$42,375

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
<i>Hospitality and Tourism</i>							
39-3091	Amusement and Recreation Attendants	-0.1%	-2	178	267	443	\$26,486
39-2011	Animal Trainers	1.4%	4	12	24	40	\$45,388
51-3011	Bakers	1.6%	4	20	21	45	\$33,958
35-3011	Bartenders	1.3%	41	173	371	585	\$33,355
35-1011	Chefs and Head Cooks	1.4%	9	24	49	82	\$62,441
35-2011	Cooks, Fast Food	-0.5%	-11	155	185	329	\$27,206
35-2012	Cooks, Institution and Cafeteria	1.1%	30	186	222	438	\$40,465
35-2014	Cooks, Restaurant	2.9%	179	427	510	1,116	\$31,506
35-2015	Cooks, Short Order	0.3%	0	13	16	29	\$29,117
35-9021	Dishwashers	0.8%	14	166	158	338	\$26,674
35-3023	Fast Food and Counter Workers	1.2%	143	1,320	1,409	2,872	\$27,639
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	1.5%	61	205	390	656	\$44,733
39-1013	First-Line Supervisors of Gambling Services Workers	-0.3%	0	6	9	15	\$60,866
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	0.8%	10	67	81	158	\$49,485
35-2021	Food Preparation Workers	0.8%	19	211	212	442	\$30,424
35-3041	Food Servers, Nonrestaurant	1.9%	12	55	55	122	\$29,133
11-9051	Food Service Managers	0.8%	6	30	60	96	\$78,409
39-3012	Gambling and Sports Book Writers and Runners	-1.1%	0	2	4	6	\$35,448
39-3011	Gambling Dealers	-0.5%	-2	18	38	54	\$39,012
11-9071	Gambling Managers	-0.6%	0	1	1	2	\$127,074
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1.1%	18	224	194	436	\$24,843
43-4081	Hotel, Motel, and Resort Desk Clerks	1.6%	10	38	58	106	\$29,110
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	0.6%	43	545	544	1,132	\$33,453
11-9081	Lodging Managers	2.3%	3	5	8	16	\$64,641
37-2012	Maids and Housekeeping Cleaners	1.2%	37	241	217	495	\$28,505
39-9032	Recreation Workers	1.2%	10	67	119	196	\$31,100
39-7010	Tour and Travel Guides	0.6%	1	23	29	53	\$32,141
41-3041	Travel Agents	0.1%	0	9	8	17	\$41,301
27-2023	Umpires, Referees, and Other Sports Officials	0.5%	0	8	6	14	\$40,911
39-3031	Ushers, Lobby Attendants, and Ticket Takers	-2.1%	-4	26	28	50	\$29,097
35-3031	Waiters and Waitresses	0.6%	42	630	885	1,557	\$31,425
<i>Human Services</i>							
21-1021	Child, Family, and School Social Workers	0.6%	7	41	55	103	\$45,950
39-9011	Childcare Workers	0.3%	5	145	187	337	\$26,932
21-2011	Clergy	0.9%	1	4	4	9	\$61,500
19-3033	Clinical and Counseling Psychologists	1.2%	1	3	3	7	\$86,576

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
21-1099	Community and Social Service Specialists, All Other	0.8%	5	26	37	68	\$47,694
21-1094	Community Health Workers	1.4%	5	14	21	40	\$47,376
13-2071	Credit Counselors	1.2%	1	2	4	7	\$52,427
39-9031	Exercise Trainers and Group Fitness Instructors	1.0%	12	71	143	226	\$44,964
39-1014	First-line Supervisors of Entertainment And Recreation Workers, Except Gambling Services	0.8%	4	19	30	53	\$56,271
39-1022	First-line Supervisors of Personal Service Workers	0.8%	3	19	29	51	\$48,587
39-4021	Funeral Attendants	0.1%	0	6	13	19	\$36,136
11-9171	Funeral Home Managers	0.1%	0	3	4	7	\$97,042
39-5012	Hairdressers, Hairstylists, and Cosmetologists	0.7%	18	159	201	378	\$38,021
21-1091	Health Education Specialists	1.4%	5	15	22	42	\$66,955
21-1022	Healthcare Social Workers	1.2%	8	25	32	65	\$58,099
51-6011	Laundry and Dry-Cleaning Workers	0.6%	3	42	33	78	\$28,726
39-5092	Manicurists and Pedicurists	0.7%	7	51	69	127	\$29,090
21-1013	Marriage and Family Therapists	0.4%	1	8	7	16	\$54,590
31-9011	Massage Therapists	1.9%	5	16	16	37	\$32,662
21-1023	Mental Health and Substance Abuse Social Workers	0.7%	4	21	18	43	\$52,765
39-9099	Personal Care and Service Workers, All Other	1.5%	1	7	10	18	\$32,021
51-6021	Pressers, Textile, Garment, and Related Materials	-2.6%	0	1	1	2	\$26,689
21-1015	Rehabilitation Counselors	0.9%	3	10	14	27	\$42,774
39-9041	Residential Advisors	1.9%	8	24	49	81	\$32,397
19-3034	School Psychologists	0.8%	4	7	20	31	\$80,225
39-5093	Shampooers	0.9%	2	12	19	33	\$24,670
11-9151	Social and Community Service Managers	1.0%	10	33	46	89	\$69,787
21-1093	Social and Human Service Assistants	1.1%	12	49	64	125	\$37,540
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	1.7%	33	69	89	191	\$52,173
Information Technology							
15-1241	Computer Network Architects	-0.1%	-1	14	27	40	\$145,509
15-1231	Computer Network Support Specialists	-0.9%	-4	10	16	22	\$62,126
15-1299	Computer Occupations, All Other	0.2%	2	20	31	53	\$120,969
15-1251	Computer Programmers	-1.6%	-8	12	18	22	\$96,647
15-1211	Computer Systems Analysts	0.6%	14	56	75	145	\$116,320
15-1232	Computer User Support Specialists	0.3%	5	43	71	119	\$65,304
15-1242	Database Administrators	0.3%	2	16	20	38	\$104,616
15-1243	Database Architects	0.4%	0	2	3	5	\$142,470
15-1212	Information Security Analysts	2.2%	25	25	42	92	\$130,359
15-1244	Network and Computer Systems Administrators	0.1%	0	20	34	54	\$88,702
15-1252	Software Developers	1.8%	110	103	216	429	\$121,406
15-1253	Software Quality Assurance Analysts and Testers	1.3%	7	14	20	41	\$120,071
15-1254	Web Developers	1.3%	2	4	8	14	\$109,724

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
<i>Law, Public Safety, Corrections, and Security</i>							
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	0.1%	0	2	1	3	\$63,817
23-1022	Arbitrators, Mediators, and Conciliators	0.4%	0	1	1	2	\$65,845
33-3011	Bailiffs	-0.5%	0	11	4	15	\$34,102
33-3012	Correctional Officers and Jailers	-1.1%	-18	58	88	128	\$34,102
27-3092	Court Reporters and Simultaneous Captioners	-0.2%	0	3	2	5	\$80,256
33-9091	Crossing Guards and Flaggers	0.6%	2	48	15	65	\$34,723
33-3021	Detectives and Criminal Investigators	0.0%	0	4	4	8	\$97,487
29-2042	Emergency Medical Technicians	1.1%	12	28	47	87	\$41,543
33-2021	Fire Inspectors and Investigators	0.3%	0	4	5	9	\$53,698
33-2011	Firefighters	0.6%	4	17	31	52	\$45,677
33-1011	First-Line Supervisors of Correctional Officers	-0.5%	-1	8	12	19	\$51,901
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	0.6%	0	2	2	4	\$74,114
33-1012	First-Line Supervisors of Police and Detectives	0.4%	2	11	15	28	\$114,308
33-1099	First-Line Supervisors of Protective Service Workers, All Other	0.8%	1	3	4	8	\$50,754
33-1091	First-line Supervisors of Security Workers	-0.3%	-1	14	17	30	\$58,682
33-9031	Gambling Surveillance Officers and Gambling Investigators	-0.4%	0	3	4	7	\$33,118
23-1023	Judges, Magistrate Judges, and Magistrates	-0.1%	0	3	2	5	\$147,312
23-1012	Judicial Law Clerks	0.0%	0	3	3	6	\$142,422
23-1011	Lawyers	0.2%	7	69	44	120	\$142,422
43-6012	Legal Secretaries and Administrative Assistants	-3.1%	-34	63	60	89	\$54,937
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	0.5%	2	61	52	115	\$23,969
23-2011	Paralegals and Legal Assistants	-0.2%	-4	66	112	174	\$68,343
29-2043	Paramedics	0.9%	4	8	10	22	\$62,042
33-3041	Parking Enforcement Workers	0.1%	0	9	8	17	\$36,170
33-3051	Police and Sheriff's Patrol Officers	0.4%	8	58	93	159	\$77,491
21-1092	Probation Officers and Correctional Treatment Specialists	0.0%	0	12	18	30	\$66,955
33-9099	Protective Service Workers, All Other	1.2%	4	52	44	100	\$38,962
43-5031	Public Safety Telecommunicators	0.6%	2	14	16	32	\$48,746
33-9094	School Bus Monitors	0.0%	0	35	12	47	\$31,889
33-9032	Security Guards	0.0%	0	175	225	400	\$33,945
<i>Manufacturing</i>							
51-3021	Butchers and Meat Cutters	0.2%	0	7	12	19	\$42,434
51-7011	Cabinetmakers and Bench Carpenters	1.2%	3	10	14	27	\$45,813
51-9011	Chemical Equipment Operators and Tenders	-0.8%	-3	9	33	39	\$59,847

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
19-4031	Chemical Technicians	0.1%	1	10	50	61	\$63,238
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	0.8%	1	4	10	15	\$44,712
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	1.3%	1	2	3	6	NA
51-9161	Computer Numerically Controlled Tool Operators	0.1%	0	4	8	12	\$39,581
49-2011	Computer, Automated Teller, and Office Machine Repairers	-0.3%	-1	8	21	28	\$45,561
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	0.8%	0	2	4	6	\$42,311
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	-0.9%	-2	8	17	23	\$37,944
51-9081	Dental Laboratory Technicians	1.3%	2	6	10	18	\$44,566
17-3012	Electrical and Electronics Drafters	0.2%	0	2	4	6	\$64,239
17-3023	Electrical and Electronics Engineering Technicians	0.3%	0	2	4	6	\$64,654
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	-0.4%	-1	5	10	14	\$67,677
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	-0.2%	0	1	2	3	\$87,757
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	0.0%	0	16	25	41	\$35,219
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	0.8%	2	8	15	25	\$39,743
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	0.4%	8	52	106	166	\$76,429
51-1011	First-Line Supervisors of Production and Operating Workers	0.4%	5	40	90	135	\$72,672
51-3092	Food Batchmakers	0.2%	0	8	13	21	\$29,059
51-3099	Food Processing Workers, All Other	0.4%	1	7	13	21	\$30,259
51-7021	Furniture Finishers	1.8%	0	1	1	2	\$40,080
51-3021	Butchers and Meat Cutters	1.2%	2	8	11	21	\$47,621
51-3021	Butchers and Meat Cutters	1.2%	2	8	11	21	\$47,621
51-7011	Cabinetmakers and Bench Carpenters	-1.0%	-2	8	11	17	\$43,677
51-9011	Chemical Equipment Operators and Tenders	-0.2%	-2	23	45	66	\$66,189
19-4031	Chemical Technicians	0.4%	2	10	43	55	\$69,490
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	1.6%	0	1	1	2	\$40,410
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	0.1%	0	5	10	15	\$57,012
51-9161	Computer Numerically Controlled Tool Operators	-0.8%	-1	3	6	8	\$45,369
51-9162	Computer Numerically Controlled Tool Programmers	1.8%	1	1	2	4	\$65,371
49-2011	Computer, Automated Teller, and Office Machine Repairers	-1.7%	-4	9	16	21	\$44,453
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	0.4%	0	2	4	6	\$46,258

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	0.1%	0	4	5	9	\$44,373
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	-0.3%	-1	8	14	21	\$39,966
17-3019	Drafters, All Other	-0.4%	0	1	1	2	\$66,729
17-3012	Electrical and Electronics Drafters	0.2%	0	2	3	5	\$85,118
17-3023	Electrical and Electronics Engineering Technologists and Technicians	0.6%	2	12	10	24	\$57,836
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	0.3%	1	6	9	16	\$71,399
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	0.3%	0	2	4	6	\$95,174
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	1.5%	9	29	33	71	\$38,952
17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	0.5%	0	2	3	5	\$62,392
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	-1.0%	-4	16	26	38	\$48,205
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	0.5%	9	73	83	165	\$81,275
51-1011	First-Line Supervisors of Production and Operating Workers	1.0%	15	55	87	157	\$77,345
51-3092	Food Batchmakers	2.1%	7	22	28	57	\$36,912
51-3099	Food Processing Workers, All Other	1.7%	4	9	12	25	\$32,526
51-8092	Gas Plant Operators	-0.7%	0	1	2	3	\$81,532
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	-0.4%	0	4	7	11	\$32,342
51-9198	Helpers--Production Workers	-0.4%	-1	15	20	34	\$34,227
49-9031	Home Appliance Repairers	-0.9%	-1	3	4	6	\$43,873
17-3026	Industrial Engineering Technologists and Technicians	1.0%	1	2	3	6	\$65,366
49-9041	Industrial Machinery Mechanics	2.0%	18	33	38	89	\$67,037
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	0.1%	1	46	79	126	\$47,522
49-9099	Installation, Maintenance, and Repair Workers, All Other	0.0%	0	18	27	45	\$46,286
49-9094	Locksmiths and Safe Repairers	-1.1%	-1	4	3	6	\$53,090
53-7063	Machine Feeders and Offbearers	0.8%	1	7	7	15	\$38,052
51-4041	Machinists	0.7%	2	15	21	38	\$60,604
49-9071	Maintenance and Repair Workers, General	0.8%	34	180	187	401	\$46,281
49-9043	Maintenance Workers, Machinery	2.4%	1	2	2	5	\$54,565
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	1.2%	45	181	249	475	\$31,190
17-3013	Mechanical Drafters	-0.4%	-1	7	9	15	\$63,257
17-3027	Mechanical Engineering Technologists and Technicians	0.6%	0	2	3	5	\$59,159
49-9062	Medical Equipment Repairers	1.1%	2	8	11	21	\$86,882
51-2090	Miscellaneous Assemblers and Fabricators	-0.5%	-6	56	84	134	\$39,334

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	0.8%	3	15	27	45	\$46,489
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	2.2%	4	10	13	27	\$41,881
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	-0.7%	-1	3	6	8	\$41,211
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	-0.1%	0	9	8	17	\$41,470
51-9111	Packaging and Filling Machine Operators and Tenders	1.8%	21	58	71	150	\$36,834
51-9123	Painting, Coating, and Decorating Workers	-0.7%	0	0	1	1	\$44,623
49-9069	Precision Instrument and Equipment Repairers, All Other	0.3%	0	6	9	15	\$67,855
43-5061	Production, Planning, and Expediting Clerks	1.2%	6	20	32	58	\$57,009
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-0.3%	0	3	6	9	\$44,124
49-2098	Security and Fire Alarm Systems Installers	0.4%	0	5	9	14	\$53,235
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	2.5%	2	3	6	11	\$44,306
51-6031	Sewing Machine Operators	0.9%	2	12	9	23	\$35,770
51-6041	Shoe and Leather Workers and Repairers	-0.6%	0	1	1	2	\$35,560
51-3023	Slaughterers and Meat Packers	0.7%	2	11	15	28	\$33,388
51-6099	Textile, Apparel, and Furnishings Workers, All Other	1.4%	1	4	4	9	\$41,478
51-4111	Tool and Die Makers	-0.8%	0	1	1	2	\$64,422
51-6093	Upholsterers	-0.3%	0	1	2	3	\$47,327
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	1.1%	2	9	12	23	\$45,704
51-4121	Welders, Cutters, Solderers, and Brazers	0.6%	4	20	43	67	\$53,833
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1.7%	1	2	3	6	\$34,780
Marketing, Sales, and Service							
41-3011	Advertising Sales Agents	-2.8%	-6	7	14	15	\$60,071
41-2011	Cashiers	-0.2%	-28	1,090	1,098	2,160	\$27,358
41-2021	Counter and Rental Clerks	0.0%	0	55	57	112	\$42,472
41-1012	First-Line Supervisors of Non-Retail Sales Workers	-0.4%	-4	34	47	77	\$95,791
41-1011	First-Line Supervisors of Retail Sales Workers	0.1%	3	178	269	450	\$53,797
11-2033	Fundraising Managers	1.1%	1	3	6	10	\$130,285
13-1161	Market Research Analysts and Marketing Specialists	1.3%	38	91	169	298	\$93,052
11-2021	Marketing Managers	0.5%	8	34	77	119	\$175,119
27-1026	Merchandise Displayers and Window Trimmers	0.5%	5	50	72	127	\$33,806
11-9141	Property, Real Estate, and Community Association Managers	0.4%	5	52	42	99	\$70,090
11-2032	Public Relations Managers	0.6%	1	4	7	12	\$152,080
27-3031	Public Relations Specialists	0.6%	7	28	64	99	\$78,260
41-9021	Real Estate Brokers	0.3%	1	12	10	23	\$68,978

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
41-9022	Real Estate Sales Agents	0.3%	6	96	75	177	\$53,687
41-2031	Retail Salespersons	0.5%	70	904	1,091	2,065	\$32,534
41-9031	Sales Engineers	-0.1%	0	4	9	13	\$53,687
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	0.2%	5	90	237	332	\$73,923
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	0.0%	2	111	183	296	\$78,416
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	0.0%	0	42	69	111	\$120,947
41-9041	Telemarketers	-2.7%	0	1	2	3	\$53,687
<i>Science, Technology, Engineering, and Mathematics</i>							
17-2011	Aerospace Engineers	0.0%	0	1	1	2	\$78,888
19-4012	Agricultural Technicians	1.5%	1	2	7	10	\$41,947
11-9041	Architectural and Engineering Managers	0.4%	2	9	19	30	\$165,368
19-2021	Atmospheric and Space Scientists	0.5%	0	0	2	2	\$94,466
19-1021	Biochemists and Biophysicists	0.0%	0	7	25	32	\$97,984
17-2041	Chemical Engineers	0.6%	3	10	13	26	\$124,946
19-2031	Chemists	0.1%	1	18	60	79	\$117,003
19-1031	Conservation Scientists	0.5%	0	1	4	5	\$59,660
15-2051	Data Scientists	2.6%	15	13	21	49	\$133,322
17-2071	Electrical Engineers	0.3%	2	13	16	31	\$115,183
17-2072	Electronics Engineers, Except Computer	-0.2%	0	2	2	4	\$122,404
19-2041	Environmental Scientists and Specialists, Including Health	0.2%	1	5	20	26	\$61,898
19-2042	Geoscientists, Except Hydrologists and Geographers	0.6%	1	2	8	11	\$78,445
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	0.1%	0	2	2	4	\$99,491
19-3093	Historians	0.0%	0	0	1	1	\$76,957
19-2043	Hydrologists	0.0%	0	0	2	2	\$63,988
17-2112	Industrial Engineers	1.2%	10	21	26	57	\$101,613
17-2131	Materials Engineers	0.8%	1	3	4	8	\$111,652
19-2032	Materials Scientists	0.7%	1	2	7	10	\$113,756
17-2141	Mechanical Engineers	1.1%	8	16	22	46	\$109,690
19-1022	Microbiologists	0.5%	1	2	8	11	\$76,866
19-4061	Social Science Research Assistants	1.4%	2	3	10	15	\$63,515
19-3099	Social Scientists and Related Workers, All Other	0.6%	0	2	5	7	\$77,879
19-3041	Sociologists	0.7%	0	0	2	2	\$80,225
15-2041	Statisticians	2.5%	2	2	4	8	\$111,650
<i>Transportation, Distribution, and Logistics</i>							
49-3011	Aircraft Mechanics and Service Technicians	0.1%	0	11	16	27	\$77,790
53-6032	Aircraft Service Attendants	-0.2%	0	2	4	6	\$43,211
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	0.3%	0	3	8	11	\$33,599

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2022 Average Wage
53-6031	Automotive and Watercraft Service Attendants	0.2%	0	12	21	33	\$30,543
49-3021	Automotive Body and Related Repairers	-0.4%	-2	17	17	32	\$57,834
49-3023	Automotive Service Technicians and Mechanics	0.0%	1	72	103	176	\$49,586
49-2091	Avionics Technicians	0.0%	0	2	1	3	\$67,795
43-3021	Billing and Posting Clerks	-0.2%	-2	66	77	141	\$48,443
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	0.4%	2	18	23	43	\$55,135
53-3051	Bus Drivers, School	0.2%	3	140	61	204	\$40,481
53-3052	Bus Drivers, Transit and Intercity	0.1%	1	39	23	63	\$47,420
53-5021	Captains, Mates, and Pilots of Water Vessels	1.0%	1	4	6	11	\$85,268
43-5011	Cargo and Freight Agents	-0.2%	0	3	4	7	\$45,406
53-7061	Cleaners of Vehicles and Equipment	0.4%	4	63	90	157	\$29,693
53-2012	Commercial Pilots	1.4%	4	9	21	34	\$122,333
43-5021	Couriers and Messengers	0.1%	1	31	37	69	\$33,057
43-5032	Dispatchers, Except Police, Fire, and Ambulance	0.6%	4	24	32	60	\$48,733
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	-2.5%	-2	2	3	3	\$56,196
53-2031	Flight Attendants	2.7%	0	1	1	2	\$65,062
53-3032	Heavy and Tractor-Trailer Truck Drivers	1.7%	143	396	512	1,051	\$52,864
53-7051	Industrial Truck and Tractor Operators	1.3%	79	199	397	675	\$48,021
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	0.7%	36	249	423	708	\$37,572
53-3033	Light Truck Drivers	1.6%	68	201	260	529	\$42,957
13-1081	Logisticians	1.7%	11	18	35	64	\$97,387
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	0.5%	2	14	22	38	\$55,072
49-3051	Motorboat Mechanics and Service Technicians	0.5%	1	7	7	15	\$52,186
49-3052	Motorcycle Mechanics	0.0%	0	1	1	2	\$39,578
53-7064	Packers and Packagers, Hand	0.9%	19	126	173	318	\$30,135
53-6021	Parking Attendants	-0.2%	0	11	18	29	\$29,808
53-4031	Railroad Conductors and Yardmasters	-0.5%	-1	3	7	9	\$88,861
53-5011	Sailors and Marine Oilers	0.9%	0	2	4	6	\$43,842
53-3053	Shuttle Drivers and Chauffeurs	0.7%	6	74	44	124	\$37,310
49-3093	Tire Repairers and Changers	0.0%	0	11	19	30	\$30,045
11-3071	Transportation, Storage, and Distribution Managers	0.9%	4	11	20	35	\$140,634

Industry Projections

Delaware is projected to add 36,240 jobs over the 2022-2032 projection period. The average annual job growth for Delaware during the ten-year projection period is expected to be 0.7 percent per year. This is more than the rate that the US Bureau of Labor Statistics (BLS) is projecting for the nation at 0.3 percent per year. Delaware Goods Producing industries are projected to add 4,970 jobs, while the majority of new jobs are expected in the Service Providing sector with 30,880. Self Employed Workers are expected to add 390 new jobs.

Agriculture, Forestry, Fishing and Hunting is expected to gain 280 jobs over the next ten years with job gains in *Animal production* and *Support activities for agriculture and forestry*. *Crop production* is projected to lose 230 jobs over the 10-year period.

The **Construction** supersector is expected to add 1,520 jobs over the decade with an average annual growth rate of 0.6 percent. The projected job gains is mainly being driven by job increases in the *Specialty trade contractors* subsectors.

The **Manufacturing** supersector is estimated to increase over the projection period by 3,180 jobs. *Food Manufacturing* is estimated to see the largest gains in Manufacturing, while the biggest losses are estimated to come from *Plastics and rubber products manufacturing* and *Furniture and related product manufacturing*.

The Trade, Transportation, and Utilities supersector is comprised of **Wholesale Trade, Retail Trade, Transportation and Warehousing** and **Utilities**. **Wholesale Trade** is estimated to lose 340 jobs over the 2022-2032 projection period. **Retail Trade** is estimated to gain 1,810 jobs over the projection period. **Retail Trade** job increases in such areas as *Food and beverage retailers* and *Clothing and clothing accessories retailers*, while the losses are in *Sporting goods, hobby, musical instrument, and book retailers* and *Furniture, home furnishings and electronics retailers*. **Transportation and Warehousing** is expected to gain 3,690 net jobs over the projection period, an annual average increase of 1.6 percent, making it the second fastest growing industry sector. These gains are driven by *Warehousing and storage* and *Couriers and messengers*.

Information is estimated to lose 810 jobs over the decade and with an annual average decline of 2.3

percent it is projected to be the second fastest shrinking industry sector. It is predicted that **Information** will continue its long-run decline that started in 2001. Job losses are being driven by a decline in *Telecommunications*.

The Financial Activities supersector is comprised of the **Finance and Insurance** and the **Real Estate and Rental and Leasing** sector. **Finance and Insurance** is projected to add 2,360 jobs over the ten-year projection period. Most jobs in this sector will be created in *Securities, commodity contracts, investments*. In the **Real Estate and Rental and Leasing** sector, there are estimated to be 40 net new jobs created.



In the Professional & Business Services supersector, **Professional and Technical Services** is expected to lose 110 jobs, **Management of Companies and Enterprises** to lose -460 jobs, and **Administrative and Waste Services** to add 470 jobs over the projection period.

The Education and Health Services supersector is comprised of **Educational Services** and **Health Care and Social Assistance**. **Educational Services** is expected to gain 4,800 jobs during the projected period. **Health Care and Social Assistance**, Delaware's largest industry in term of employment, is projected to add the most jobs over the 10-year period and also be the fastest growing industry sector with an annual growth rate of 1.7%. The 13,280 jobs created by this sector will represent 36.6% of all projected jobs to be created.

In the Leisure and Hospitality supersector, **Arts, Entertainment, and Recreation** is projected to lose 220 jobs over the decade. **Accommodation and Food Services** is second in terms of projected job gains with 6,060 new jobs over the decade, with a projected annual average growth rate of 1.3 percent, the third fastest growing industry sector in terms of the annual growth rate.

Other Services, Except Public Administration is expected to add 410 jobs over the projection period with an average annual growth rate of 0.2 percent. Projected job gains in **Other Services, Except Public Administration** is being driven by Religious, grantmaking, civic, professional organizations and Personal and laundry services.

Government is estimated to lose 200 jobs over the 10-year projection period. *Local government, excluding education and hospitals* is expected to add 300 jobs, while *State government, excluding education and hospitals* is expected to lose 570 jobs and *Federal government, excluding postal service* is expected to lose 130 jobs.

Projected Net Job Growth by Industry Sector, 2032

Industry Sector	New Job Growth
Health Care and Social Assistance	13,280
Accommodation and Food Services	6,060
Educational Services	4,800
Transportation and Warehousing	3,690
Manufacturing	3,180
Finance and Insurance	2,360
Retail Trade	1,810
Construction	1,520
Administrative and Waste Services	470
Other Services, Except Public Administration	410
Agriculture, Forestry, Fishing and Hunting	280
Real Estate and Rental and Leasing	40
Professional and Technical Services	-110
Government	-200
Arts, Entertainment, and Recreation	-220
Wholesale Trade	-340
Management of Companies and Enterprises	-460
Information	-810
Mining	-20
Agriculture, Forestry, and Fishing	-230
Information	-410

Projected Annual Rate of Growth by Industry Sector, 2022–2032

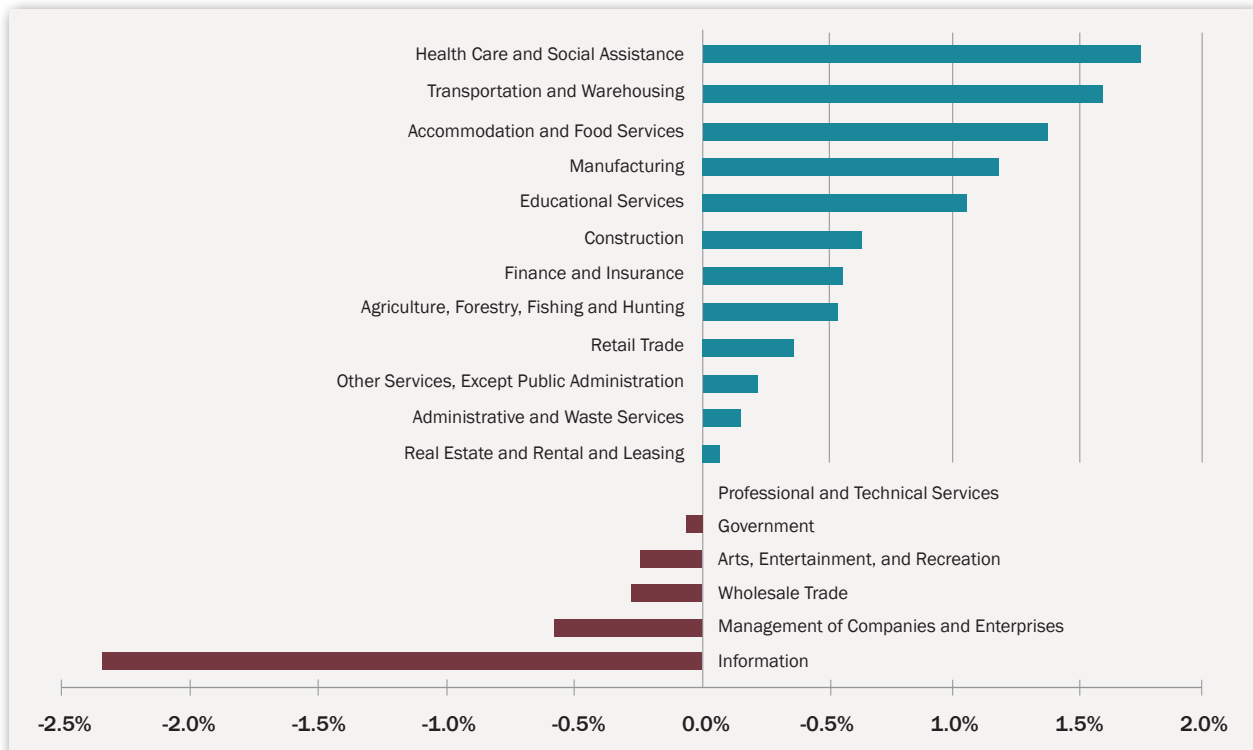


Table 3: Industry Projections

NAICS	Industry	2022 Est. Empl.	2032 Proj. Empl.	2022-2032 Change	2022-2032 Annual Growth
	Total Employment, All Jobs	496,990	533,230	36,240	0.7%
	Self-Employed Workers	19,050	19,440	390	0.2%
11	Agriculture, Forestry, Fishing and Hunting	5,190	5,470	280	0.5%
111	Crop production	3,480	3,250	-230	-0.7%
112	Animal production	1,140	1,480	340	2.6%
115	Support activities for agriculture and forestry	570	740	170	2.6%
23	Construction	23,750	25,270	1,520	0.6%
236	Construction of buildings	5,480	5,720	240	0.4%
237	Heavy and civil engineering construction	2,820	2,990	170	0.6%
238	Specialty trade contractors	15,450	16,560	1,110	0.7%
31-33	Manufacturing	26,010	29,190	3,180	1.2%
311	Food manufacturing	8,900	10,440	1,540	1.6%
312	Beverage and tobacco product manufacturing	690	1,040	350	4.2%
314	Textile product mills	80	90	10	1.2%
321	Wood product manufacturing	330	370	40	1.2%
322	Paper manufacturing	870	980	110	1.2%
323	Printing and related support activities	380	350	-30	-0.8%
324	Petroleum and coal products manufacturing	610	830	220	3.1%
325	Chemical manufacturing	2,690	2,870	180	0.6%
326	Plastics and rubber products manufacturing	1,690	1,520	-170	-1.1%
327	Nonmetallic mineral product manufacturing	700	860	160	2.1%
332	Fabricated metal product manufacturing	1,180	1,240	60	0.5%
333	Machinery manufacturing	1,100	1,240	140	1.2%
334	Computer and electronic product manufacturing	2,530	2,860	330	1.2%
335	Electrical equipment and appliance manufacturing	900	1,070	170	1.7%
336	Transportation equipment manufacturing	460	430	-30	-0.7%
337	Furniture and related product manufacturing	840	710	-130	-1.7%
339	Miscellaneous manufacturing	1,200	1,260	60	0.5%
42	Wholesale Trade	12,290	11,950	-340	-0.3%
423	Merchant wholesalers, durable goods	6,330	6,150	-180	-0.3%
424	Merchant wholesalers, nondurable goods	4,770	4,750	-20	0.0%
425	Wholesale trade agents and brokers	1,190	1,050	-140	-1.2%
44-45	Retail Trade	49,760	51,570	1,810	0.4%
441	Motor vehicle and parts dealers	6,470	6,480	10	0.0%
444	Building material and garden supply dealers	5,300	5,220	-80	-0.2%

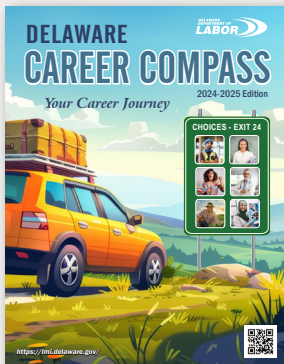
NAICS	Industry	2022 Est. Empl.	2032 Proj. Empl.	2022-2032 Change	2022-2032 Annual Growth
445	Food and beverage retailers	9,950	11,830	1,880	1.7%
449	Furniture, home furnishings and electronics retailer	3,700	3,240	-460	-1.3%
455	General merchandise retailers	8,510	8,400	-110	-0.1%
456	Health and personal care retailers	3,710	3,670	-40	-0.1%
457	Gasoline stations and fuel dealers	3,970	4,070	100	0.2%
458	Clothing, clothing accessories, shoe, and jewelry retailers	4,090	5,260	1,170	2.5%
459	Sporting goods, hobby, musical instrument, and book retailers	4,060	3,400	-660	-1.8%
48-49	Transportation and Warehousing	22,000	25,690	3,690	1.6%
481	Air transportation	200	230	30	1.4%
482	Rail transportation	1,290	1,200	-90	-0.7%
483	Water transportation	50	60	10	1.8%
484	Truck transportation	2,620	2,740	120	0.4%
485	Transit and ground passenger transportation	1,870	1,880	10	0.1%
488	Support activities for transportation	2,220	2,110	-110	-0.5%
491	Postal service	2,000	2,200	200	1.0%
492	Couriers and messengers	3,050	3,920	870	2.5%
493	Warehousing and storage	10,650	13,500	2,850	2.4%
51	Information	3,830	3,020	-810	-2.3%
512	Motion picture and sound recording industries	420	350	-70	-1.8%
513	Publishing industries	980	1,000	20	0.2%
516	Broadcasting and content providers	200	140	-60	-3.5%
517	Telecommunications	1,520	890	-630	-5.2%
518	Computing infrastructure providers, and related services	500	480	-20	-0.4%
519	Web search portals, and other information services	210	160	-50	-2.7%
52	Finance and Insurance	42,280	44,640	2,360	0.5%
522	Credit intermediation and related activities	28,290	28,670	380	0.1%
523	Securities, commodity contracts, investments	8,110	9,800	1,690	1.9%
53	Real Estate and Rental and Leasing	5,990	6,030	40	0.1%
54	Professional and Technical Services	26,690	26,580	-110	0.0%
55	Management of Companies and Enterprises	8,140	7,680	-460	-0.6%
56	Administrative and Waste Services	31,380	31,850	470	0.1%
561	Administrative and support services	29,770	29,930	160	0.1%
562	Waste management and remediation services	1,610	1,920	310	1.8%

Industry Projections

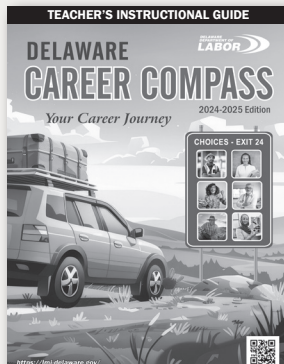
NAICS	Industry	2022 Est. Empl.	2032 Proj. Empl.	2022-2032 Change	2022-2032 Annual Growth
61	Educational Services	44,400	49,200	4,800	1.0%
62	Health Care and Social Assistance	71,910	85,190	13,280	1.7%
621	Ambulatory health care services	21,890	25,550	3,660	1.6%
622	Hospitals	26,000	30,590	4,590	1.6%
623	Nursing and residential care facilities	10,110	12,660	2,550	2.3%
624	Social assistance	13,910	16,390	2,480	1.7%
71	Arts, Entertainment, and Recreation	9,090	8,870	-220	-0.2%
711	Performing arts and spectator sports	880	740	-140	-1.7%
712	Museums, historical sites, and similar institutions	790	820	30	0.4%
713	Amusement, gambling, and recreation industries	7,420	7,310	-110	-0.1%
72	Accommodation and Food Services	42,330	48,390	6,060	1.3%
721	Accommodation	3,960	4,820	860	2.0%
722	Food services and drinking places	38,370	43,570	5,200	1.3%
81	Other Services, Except Public Administration	18,890	19,300	410	0.2%
811	Repair and maintenance	3,670	3,530	-140	-0.4%
812	Personal and laundry services	5,150	5,370	220	0.4%
813	Religious, grantmaking, civic, professional organizations	9,740	10,040	300	0.3%
814	Private households	330	360	30	0.9%
	Government	31,900	31,700	-200	-0.1%
	Federal government, excluding postal service	3,930	3,800	-130	-0.3%
	State government, excluding education and hospitals	18,670	18,100	-570	-0.3%
	Local government, excluding education and hospitals	7,300	7,600	300	0.4%

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<https://labor.delaware.gov/divisions/oolmi/publications/>



The Delaware Career Compass is a step-by-step guide to career planning for students. Learn about yourself, the world of work, and how you can reach your goals.



The Teacher's Guide is a companion to the Delaware Career Compass and is designed to supplement and enhance the use of the Compass in the classroom.



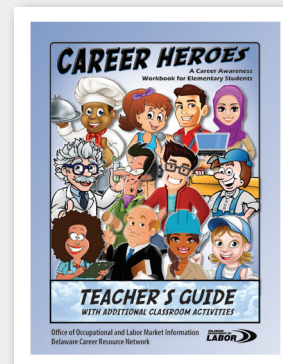
The Delaware Annual Economic Report is a comprehensive look at the state's economy and workforce.



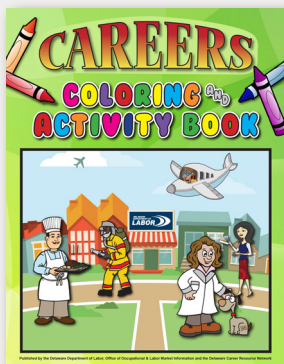
The estimates in this publication were derived from the Occupational Employment & Wage Statistics (OEWS) survey. This valuable tool is made possible by the hundreds of Delaware employers who responded to the survey. Data are published only if there are enough responses to ensure both quality and confidentiality.



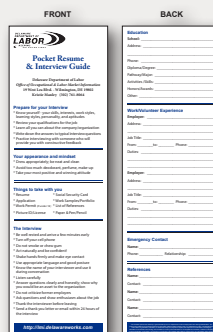
The Career Heroes Workbook is a career awareness workbook for elementary students. It is designed to be used on its own and can be paired with the Career Heroes Trading Cards and the Teacher's Guide.



The Career Heroes Teacher's Guide provides instructions and resources for conducting the trading card activities. It also provides answer keys for the exercises in the Career Heroes Workbook that have specific answers.



The coloring pages and activities in this book are intended to be fun for children in the Pre-K to 3rd grade age groups. They have been designed around the 16 Career Clusters that were developed by the U.S. Department of Education.



Students and jobseekers who complete and carry with them this handy Pocket Resume & Interview Guide will always be prepared for success.



This bookmark lists websites for personal assessment, labor market information, job preparation, and job search.



Office of Occupational & Labor Market Information
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DELAWARE 2032

OCCUPATION & INDUSTRY PROJECTIONS