

DELAWARE 2030

OCCUPATION & INDUSTRY
PROJECTIONS



Office of Occupational & Labor Market Information

Delaware Department of Labor
Karryl Hubbard, Secretary

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CONTACT

Thomas Dougherty, *Chief*
Delaware Department of Labor
Office of Occupational & Labor Market Information
Fox Valley Annex
19 West Lea Blvd., Wilmington, DE 19802
Phone: (302) 761-8062
Email: thomas.dougherty@delaware.gov

Introduction

Every two years, the federal Bureau of Labor Statistics (BLS) produces industry and occupation forecasts for a period ten years into the future and the states are asked to do the same for their respective economies. This publication presents Delaware’s efforts for the period 2020 to 2030. It supersedes the last such set of projections, which were generated for the 2018-2028 period and published in July, 2020.

Delaware is projected to have 42,030 more jobs in 2030 than in 2020, for an average annual growth rate of 0.9 percent. Nationally, jobs are projected to grow at an annual rate of 0.7 percent. The base year employment of 2020 occurred during a year that had a recession 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 lower base year employment due to the recession is the main reason why the number of projected jobs created during this round of projections is quite a bit greater than the 24,990 additional jobs projected in the 2018 to 2028 projections.

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

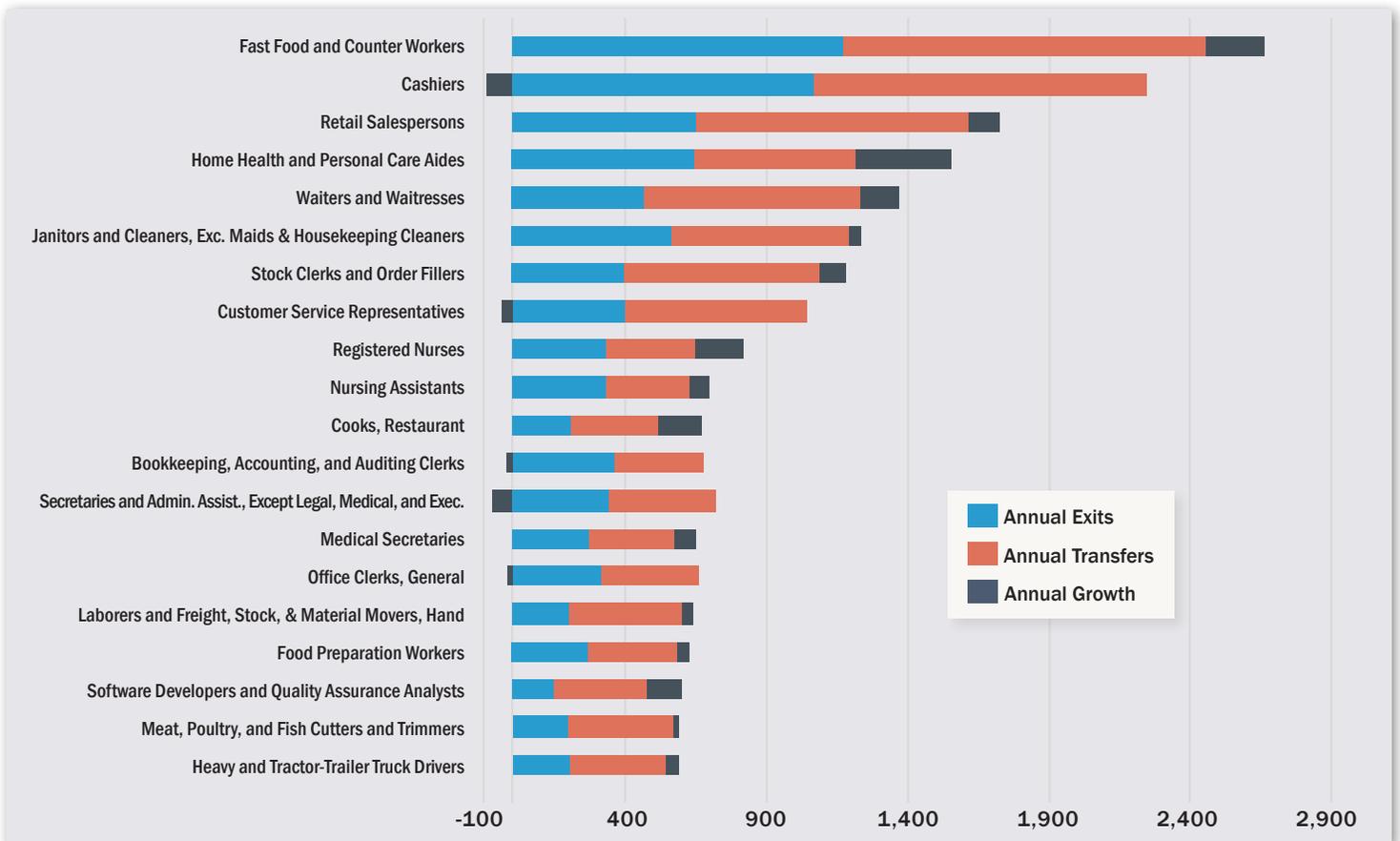
In this section, we present job projections and associated data for 459 specific occupations in Delaware, listed by major occupational group. The data elements provided for each occupation are: the Standard Occupational Classification (SOC) code, an estimate of the total number of filled jobs in the state in 2020, the projection of total filled jobs in 2030, 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 2020 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 429 occupations with wages into quintiles (30 occupations have wages that are not available due to confidentially reasons). There are 86 occupations in each wage category except for High, which has 85 occupations. These categories are based on

Occupations With the Most Annual Openings, 2020–2030



the 2020 average annual wage for each 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 86 occupations (*Low*) paid below \$35,000 per year. The next lowest-paying 86 occupations, those in the *Below Average* category (-Avg), had average wages between \$35,001 and \$45,200 per year. The middle category, *Average* (Avg) paid from \$45,201 to \$59,000. The second highest-paying category, *Above Average* (+Avg), had average wages from \$59,001 to \$79,600, while the 85 highest-paying occupations (*High*) had average annual wages exceeding \$79,601. Wages that have been suppressed or are not available have been listed as NA.

Wage Categories

Wage Category	Abbreviation	2020 Average Annual Wage
Low	Low	Below \$35,000
Below Average	-Avg	\$35,001 to \$45,200
Average	Avg	\$45,201 to \$59,000
Above Average	+Avg	\$59,001 to \$79,600
High	High	Above \$79,601

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.

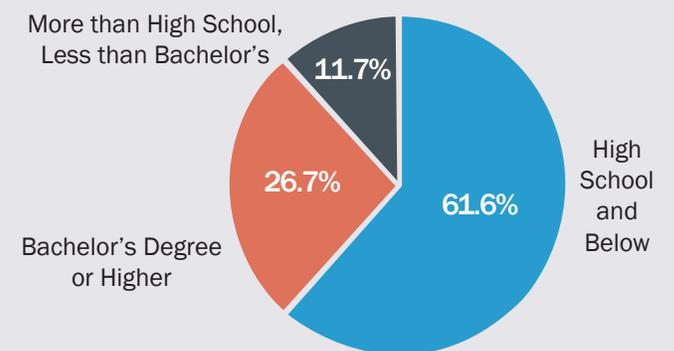
Job Availability Categories

Category	Annual Total Openings	Number of Occupations in each Category
Poor	<10	107
Fair	10 to 39	156
Good	40 to 99	87
Excellent (Excl)	100 or more	109

There are 109 occupations with *Excellent* job availability, another 87 in the *Good* category, 156 with *Fair* job availability prospects, and 107 in the *Poor* category.

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>

New Jobs Created by Level of Education, 2020–2030



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.

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, 2020–2030

Education	Total Openings 2020–2030	Percent of Total Openings	New Jobs	Annual Percent Growth	2021 Unemployment Rate
Ph.D./Professional	9,823	1.7%	1,337	0.9%	2.6% *
Master's	9,576	1.7%	1,509	1.4%	2.6% *
Bachelor's	98,820	17.4%	9,926	0.8%	2.6% *
Associate's	11,838	2.1%	1,509	1.3%	4.8%
Vocational Education	34,393	6.1%	4,084	1.4%	Not Available
High School Graduate	213,383	37.6%	15,945	0.6%	6.8%
No Formal Education	189,561	33.4%	13,504	1.1%	8.3%

*Unemployment rate is for Bachelor's degree or higher

Wages by Level of Education, 2020

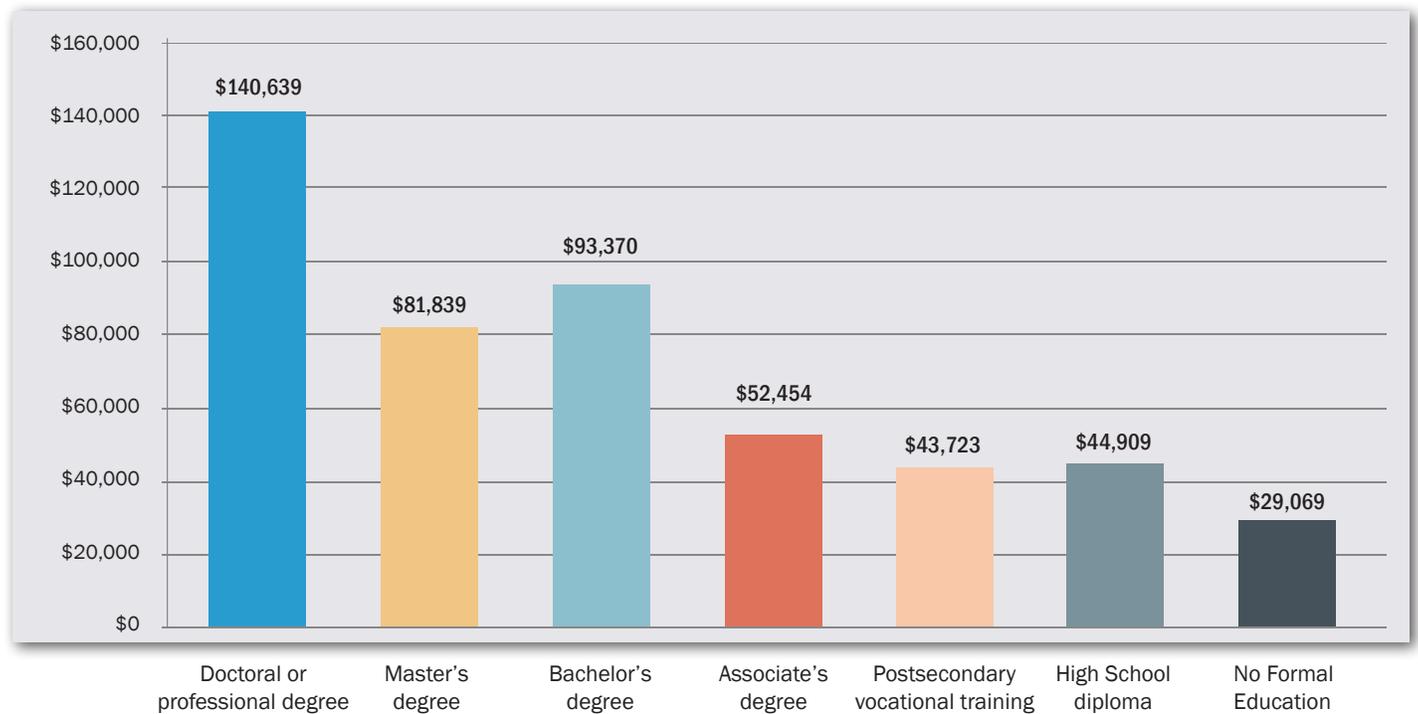


Table 1: Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
11-0000 Management Occupations									
11-1011	Chief Executives	510	470	NA	Fair	Bach	5+	None	H
11-1021	General and Operations Managers	4,188	4,537	High	Excl.	Bach	5+	None	H
11-1031	Legislators	101	110	NA	Poor	Bach	<5	None	H
11-2021	Marketing Managers	1,082	1,159	High	Excl.	Bach	5+	None	H
11-2022	Sales Managers	999	1,071	High	Good	Bach	<5	None	H
11-3010	Administrative Services and Facilities Managers	798	855	High	Good	Bach	<5	None	H
11-3021	Computer and Information Systems Managers	1,692	1,829	High	Excl.	Bach	5+	None	H
11-3031	Financial Managers	2,344	2,689	High	Excl.	Bach	5+	None	H
11-3051	Industrial Production Managers	361	368	High	Fair	Bach	5+	None	H
11-3071	Transportation, Storage, and Distribution Managers	312	333	High	Fair	HS	5+	None	M
11-3121	Human Resources Managers	410	430	High	Fair	Bach	5+	None	H
11-3131	Training and Development Managers	81	86	High	Poor	Bach	5+	None	H
11-9021	Construction Managers	753	972	High	Good	Bach	None	MOJT	H
11-9031	Education Administrators, Preschool and Childcare Center/Program	267	315	+Avg	Fair	Bach	<5	None	H
11-9032	Education Administrators, Elementary and Secondary School	937	961	High	Good	Mast	5+	None	H
11-9033	Education Administrators, Postsecondary	339	349	High	Fair	Mast	<5	None	H
11-9039	Education Administrators, All Other	80	86	High	Poor	Bach	<5	None	H
11-9041	Architectural and Engineering Managers	391	390	High	Fair	Bach	5+	None	H
11-9051	Food Service Managers	667	840	+Avg	Excl.	HS	<5	None	M
11-9071	Gaming Managers	14	16	High	Poor	HS	<5	None	M
11-9081	Lodging Managers	78	88	+Avg	Fair	HS	<5	None	M
11-9111	Medical and Health Services Managers	1,044	1,433	High	Excl.	Bach	<5	None	H
11-9121	Natural Sciences Managers	329	334	NA	Fair	Bach	5+	None	H
11-9131	Postmasters and Mail Superintendents	39	40	High	Poor	HS	<5	MOJT	M
11-9141	Property, Real Estate, and Community Association Managers	891	912	+Avg	Good	HS	<5	None	M
11-9151	Social and Community Service Managers	900	996	+Avg	Good	Bach	<5	None	H
11-9171	Funeral Home Managers	25	25	NA	Poor	Assoc	<5	None	M
11-9198	Personal Service Managers; Entertainment & Recreation Managers, Except Gambling; and Managers, All Other	848	917	High	Good	Bach	<5	None	H
13-0000 Business and Financial Operations Occupations									
13-1020	Buyers and Purchasing Agents	1,240	1,193	+Avg	Excl.	Bach	None	MOJT	H
13-1041	Compliance Officers	1,438	1,490	High	Excl.	Bach	None	MOJT	H
13-1051	Cost Estimators	905	999	+Avg	Good	Bach	None	MOJT	H
13-1071	Human Resources Specialists	2,191	2,353	+Avg	Excl.	Bach	None	None	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
13-1074	Farm Labor Contractors	1	1	NA	Poor	NFE	<5	SOJT	L
13-1075	Labor Relations Specialists	941	814	NA	Good	Bach	<5	None	H
13-1081	Logisticians	628	792	High	Good	Bach	None	None	H
13-1111	Management Analysts	3,279	3,697	High	Excl.	Bach	<5	None	H
13-1121	Meeting, Convention, and Event Planners	362	387	Avg	Good	Bach	None	None	H
13-1131	Fundraisers	544	589	+Avg	Good	Bach	None	None	H
13-1141	Compensation, Benefits, and Job Analysis Specialists	282	306	+Avg	Fair	Bach	<5	None	H
13-1151	Training and Development Specialists	1,082	1,185	+Avg	Excl.	Bach	<5	None	H
13-1161	Market Research Analysts and Marketing Specialists	2,333	2,769	High	Excl.	Bach	None	None	H
13-1198	Project Management Specialists and Business Operations Specialists, All Other	2,348	2,442	High	Excl.	Bach	None	None	H
13-2011	Accountants and Auditors	5,275	5,615	High	Excl.	Bach	None	None	H
13-2020	Property Appraisers and Assessors	99	109	Avg	Poor	Bach	None	LOJT	H
13-2031	Budget Analysts	129	131	+Avg	Fair	Bach	None	None	H
13-2053	Insurance Underwriters	246	245	High	Fair	Bach	None	MOJT	H
13-2061	Financial Examiners	857	1,097	High	Good	Bach	None	LOJT	H
13-2071	Credit Counselors	102	109	Avg	Poor	Bach	None	MOJT	H
13-2081	Tax Examiners and Collectors, and Revenue Agents	105	102	+Avg	Poor	Bach	None	MOJT	H
13-2082	Tax Preparers	294	306	NA	Fair	HS	None	MOJT	M
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	3,390	3,580	High	Excl.	Bach	None	None	H
15-0000 Computer and Mathematical Occupations									
15-1211	Computer Systems Analysts	2,340	2,407	High	Excl.	Bach	None	None	H
15-1212	Information Security Analysts	738	932	High	Good	Bach	<5	None	H
15-1231	Computer Network Support Specialists	450	472	+Avg	Fair	Assoc	None	None	M
15-1232	Computer User Support Specialists	1,675	1,789	+Avg	Excl.	HS	None	None	L
15-1241	Computer Network Architects	583	583	High	Fair	Bach	5+	None	H
15-1244	Network and Computer Systems Administrators	1,105	1,130	High	Good	Bach	None	None	H
15-1245	Database Administrators and Architects	856	935	High	Good	Bach	None	None	H
15-1251	Computer Programmers	768	673	High	Fair	Bach	None	None	H
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	5,996	7,235	High	Excl.	Bach	None	None	H
15-1257	Web Developers and Digital Interface Designers	389	441	+Avg	Fair	Bach	None	None	H
15-2031	Operations Research Analysts	705	838	High	Good	Bach	None	None	H
15-2041	Statisticians	124	158	High	Fair	Mast	None	None	H
17-0000 Architecture and Engineering Occupations									
17-1011	Architects, Except Landscape and Naval	189	198	+Avg	Fair	Bach	None	Int	H
17-1022	Surveyors	95	93	+Avg	Poor	Bach	None	Int	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
17-2041	Chemical Engineers	360	364	High	Fair	Bach	None	None	H
17-2051	Civil Engineers	848	907	High	Good	Bach	None	None	H
17-2071	Electrical Engineers	465	482	High	Fair	Bach	None	None	H
17-2081	Environmental Engineers	172	173	High	Fair	Bach	None	None	H
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	81	81	High	Poor	Bach	None	None	H
17-2112	Industrial Engineers	598	638	High	Good	Bach	None	None	H
17-2131	Materials Engineers	26	28	High	Poor	Bach	None	None	H
17-2141	Mechanical Engineers	588	602	High	Fair	Bach	None	None	H
17-3011	Architectural and Civil Drafters	332	324	Avg	Fair	Assoc	None	None	M
17-3012	Electrical and Electronics Drafters	66	67	+Avg	Poor	Assoc	None	None	M
17-3013	Mechanical Drafters	229	209	Avg	Fair	Assoc	None	None	M
17-3022	Civil Engineering Technicians	338	337	Avg	Fair	Assoc	None	None	M
17-3023	Electrical and Electronics Engineering Technicians	60	62	+Avg	Poor	Assoc	None	None	M
17-3025	Environmental Engineering Technicians	41	44	Avg	Poor	Assoc	None	None	M
17-3026	Industrial Engineering Technicians	45	44	+Avg	Poor	Assoc	None	None	M
17-3027	Mechanical Engineering Technicians	37	37	Avg	Poor	Assoc	None	None	M
17-3031	Surveying and Mapping Technicians	143	146	-Avg	Fair	HS	None	MOJT	M
19-0000 Life, Physical, and Social Science Occupations									
19-1013	Soil and Plant Scientists	74	77	+Avg	Poor	Bach	None	None	H
19-1021	Biochemists and Biophysicists	368	376	NA	Fair	PhD/prof	None	None	H
19-1022	Microbiologists	85	85	+Avg	Poor	Bach	None	None	H
19-1029	Biological Scientists, All Other	37	38	High	Poor	Bach	None	None	H
19-1031	Conservation Scientists	91	95	Avg	Poor	Bach	None	None	H
19-1032	Foresters	11	11	+Avg	Poor	Bach	None	None	H
19-1041	Epidemiologists	16	21	High	Poor	Mast	None	None	H
19-1042	Medical Scientists, Except Epidemiologists	431	485	High	Fair	PhD/prof	None	None	H
19-2012	Physicists	38	42	High	Poor	PhD/prof	None	None	H
19-2031	Chemists	1,061	1,046	High	Good	Bach	None	None	H
19-2032	Materials Scientists	67	68	High	Poor	Bach	None	None	H
19-2041	Environmental Scientists and Specialists, Including Health	306	320	+Avg	Fair	Bach	None	None	H
19-2042	Geoscientists, Except Hydrologists and Geographers	114	118	High	Fair	Bach	None	None	H
19-2043	Hydrologists	20	20	+Avg	Poor	Bach	None	None	H
19-3011	Economists	21	23	+Avg	Poor	Mast	None	None	H
19-3022	Survey Researchers	76	74	NA	Poor	Mast	None	None	H
19-3031	Clinical, Counseling, and School Psychologists	623	677	High	Good	PhD/prof	None	Int	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
19-3051	Urban and Regional Planners	195	209	+Avg	Fair	Mast	None	None	H
19-3092	Geographers	18	18	+Avg	Poor	Bach	None	None	H
19-3099	Social Scientists and Related Workers, All Other	60	57	+Avg	Poor	Bach	None	None	H
19-4010	Agricultural and Food Science Technicians	68	67	-Avg	Poor	Assoc	None	MOJT	M
19-4021	Biological Technicians	162	163	Avg	Fair	Bach	None	None	H
19-4031	Chemical Technicians	556	564	+Avg	Good	Assoc	None	MOJT	M
19-4042	Environmental Science and Protection Technicians, Including Health	168	181	-Avg	Fair	Assoc	None	None	M
19-4061	Social Science Research Assistants	62	64	+Avg	Poor	Bach	None	None	H
19-4071	Forest and Conservation Technicians	18	18	Low	Poor	Assoc	None	None	M
19-4092	Forensic Science Technicians	26	28	Avg	Poor	Bach	None	MOJT	H
19-5011	Occupational Health and Safety Specialists	380	405	High	Fair	Bach	None	None	H
19-5012	Occupational Health and Safety Technicians	44	48	Avg	Poor	HS	None	MOJT	M
21-0000 Community and Social Service Occupations									
21-1012	Educational, Guidance, School, and Vocational Counselors	1,319	1,419	+Avg	Excl.	Mast	None	None	H
21-1015	Rehabilitation Counselors	386	438	-Avg	Good	Mast	None	None	H
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	602	806	Avg	Good	Bach	None	None	H
21-1021	Child, Family, and School Social Workers	1,317	1,504	-Avg	Excl.	Bach	None	None	H
21-1022	Healthcare Social Workers	631	711	Avg	Good	Mast	None	Int	H
21-1023	Mental Health and Substance Abuse Social Workers	379	426	Avg	Good	Mast	None	Int	H
21-1091	Health Educators	223	251	+Avg	Fair	Bach	None	None	H
21-1093	Social and Human Service Assistants	956	1,088	-Avg	Excl.	HS	None	SOJT	L
21-1094	Community Health Workers	224	262	-Avg	Fair	HS	None	SOJT	L
21-1099	Community and Social Service Specialists, All Other	677	748	-Avg	Good	Bach	None	None	H
23-0000 Legal Occupations									
23-1011	Lawyers	2,962	3,248	NA	Excl.	PhD/prof	None	None	H
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	74	74	+Avg	Poor	PhD/prof	5+	SOJT	H
23-1023	Judges, Magistrate Judges, and Magistrates	115	117	High	Poor	PhD/prof	5+	SOJT	H
23-2011	Paralegals and Legal Assistants	1,662	1,817	Avg	Excl.	Assoc	None	None	M
25-0000 Education, Training, and Library Occupations									
25-1011	Business Teachers, Postsecondary	513	518	NA	Good	PhD/prof	None	None	H
25-1021	Computer Science Teachers, Postsecondary	145	147	High	Fair	PhD/prof	None	None	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
25-1022	Mathematical Science Teachers, Postsecondary	211	211	High	Fair	PhD/prof	None	None	H
25-1052	Chemistry Teachers, Postsecondary	107	109	High	Fair	PhD/prof	None	None	H
25-1066	Psychology Teachers, Postsecondary	102	106	NA	Fair	PhD/prof	None	None	H
25-1071	Health Specialties Teachers, Postsecondary	297	354	NA	Fair	PhD/prof	<5	None	H
25-1072	Nursing Instructors and Teachers, Postsecondary	375	435	NA	Good	PhD/prof	<5	None	H
25-1081	Education Teachers, Postsecondary	226	233	+Avg	Fair	PhD/prof	<5	None	H
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	43	45	+Avg	Poor	PhD/prof	None	None	H
25-1123	English Language and Literature Teachers, Postsecondary	363	365	+Avg	Fair	PhD/prof	None	None	H
25-1125	History Teachers, Postsecondary	73	73	+Avg	Poor	PhD/prof	None	None	H
25-1194	Vocational Education Teachers, Postsecondary	250	248	+Avg	Fair	Bach	<5	None	H
25-1199	Postsecondary Teachers, All Other	129	129	+Avg	Fair	PhD/prof	None	None	H
25-2011	Preschool Teachers, Except Special Education	2,032	2,624	Low	Excl.	Assoc	None	None	M
25-2012	Kindergarten Teachers, Except Special Education	263	270	+Avg	Fair	Bach	None	None	H
25-2021	Elementary School Teachers, Except Special Education	4,428	4,515	+Avg	Excl.	Bach	None	None	H
25-2022	Middle School Teachers, Except Special and Career/Technical Education	2,341	2,386	+Avg	Excl.	Bach	None	None	H
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	3,639	3,720	+Avg	Excl.	Bach	None	None	H
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,653	1,685	+Avg	Excl.	Bach	None	None	H
25-2058	Special Education Teachers, Secondary School	731	748	+Avg	Good	Bach	None	None	H
25-3021	Self-Enrichment Education Teachers	552	614	Low	Good	HS	<5	None	M
25-4012	Curators	57	58	Avg	Poor	Mast	None	None	H
25-4022	Librarians and Media Collections Specialists	397	418	+Avg	Good	Mast	None	None	H
25-4031	Library Technicians	243	238	-Avg	Fair	VocEd	None	None	M
25-9021	Farm and Home Management Advisors	188	179	Avg	Fair	Mast	None	None	H
25-9031	Instructional Coordinators	989	1,051	+Avg	Excl.	Mast	5+	None	H
25-9044	Teaching Assistants, Postsecondary	46	47	-Avg	Poor	Bach	None	None	H
25-9045	Teaching Assistants, Except Postsecondary	5,458	5,830	Low	Excl.	HS	None	None	L
25-9099	Education, Training, and Library Workers, All Other	58	56	Avg	Poor	Bach	None	None	H
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations									
27-1023	Floral Designers	90	74	Low	Poor	HS	None	MOJT	M
27-1024	Graphic Designers	416	437	Avg	Good	Bach	None	None	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
27-1025	Interior Designers	167	184	+Avg	Fair	Bach	None	None	H
27-1026	Merchandise Displayers and Window Trimmers	720	774	Low	Good	HS	None	SOJT	L
27-2012	Producers and Directors	47	48	+Avg	Poor	Bach	<5	None	H
27-3023	News Analysts, Reporters, and Journalists	103	85	Avg	Poor	Bach	None	None	H
27-3031	Public Relations Specialists	1,043	1,094	+Avg	Excl.	Bach	None	None	H
27-3041	Editors	201	183	Avg	Fair	Bach	<5	None	H
27-3042	Technical Writers	129	139	NA	Fair	Bach	<5	SOJT	H
27-3043	Writers and Authors	70	83	NA	Poor	Bach	None	LOJT	H
27-3091	Interpreters and Translators	48	63	Avg	Poor	Bach	None	None	H
27-3092	Court Reporters and Simultaneous Captioners	69	73	+Avg	Poor	VocEd	None	SOJT	M
27-4011	Audio and Video Equipment Technicians	70	79	Avg	Poor	VocEd	None	SOJT	M
27-4012	Broadcast Technicians	18	17	NA	Poor	Assoc	None	SOJT	M
27-4021	Photographers	249	301	-Avg	Fair	HS	None	MOJT	M
29-0000 Healthcare Practitioners and Technical Occupations									
29-1011	Chiropractors	162	194	High	Poor	PhD/prof	None	None	H
29-1021	Dentists, General	318	361	NA	Fair	PhD/prof	None	None	H
29-1031	Dietitians and Nutritionists	164	189	+Avg	Fair	Bach	None	Int	H
29-1051	Pharmacists	845	883	High	Fair	PhD/prof	None	None	H
29-1071	Physician Assistants	450	626	High	Good	Mast	None	None	H
29-1081	Podiatrists	98	107	NA	Poor	PhD/prof	None	Int	H
29-1122	Occupational Therapists	575	681	High	Good	Mast	None	None	H
29-1123	Physical Therapists	975	1,220	High	Good	PhD/prof	None	None	H
29-1124	Radiation Therapists	50	58	High	Poor	Assoc	None	None	M
29-1125	Recreational Therapists	107	124	Avg	Fair	Bach	None	None	H
29-1126	Respiratory Therapists	498	649	+Avg	Good	Assoc	None	None	M
29-1127	Speech-Language Pathologists	770	986	High	Good	Mast	None	Int	H
29-1128	Exercise Physiologists	108	144	Avg	Fair	Bach	None	None	H
29-1131	Veterinarians	256	291	High	Fair	PhD/prof	None	None	H
29-1141	Registered Nurses	11,656	13,348	+Avg	Excl.	Bach	None	None	H
29-1161	Nurse Midwives	42	50	High	Poor	Mast	None	None	H
29-1171	Nurse Practitioners	763	1,181	High	Good	Mast	None	None	H
29-1181	Audiologists	43	53	High	Poor	PhD/prof	None	None	H
29-1215	Family Medicine Physicians	589	652	High	Fair	PhD/prof	None	Int	H
29-1218	Obstetricians and Gynecologists	122	134	High	Poor	PhD/prof	None	Int	H

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
29-1221	Pediatricians, General	149	157	High	Poor	PhD/ prof	None	Int	H
29-1223	Psychiatrists	126	149	NA	Poor	PhD/ prof	None	Int	H
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	1,472	1,632	High	Good	PhD/ prof	None	Int	H
29-1248	Surgeons, Except Ophthalmologists	129	135	High	Poor	PhD/ prof	None	Int	H
29-1292	Dental Hygienists	546	623	High	Good	Assoc	None	None	M
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	76	88	High	Poor	Mast	None	None	H
29-2010	Clinical Laboratory Technologists and Technicians	607	699	Avg	Good	Bach	None	None	H
29-2031	Cardiovascular Technologists and Technicians	270	312	Avg	Fair	Assoc	None	None	M
29-2032	Diagnostic Medical Sonographers	208	259	+Avg	Fair	Assoc	None	None	M
29-2033	Nuclear Medicine Technologists	82	94	High	Poor	Assoc	None	None	M
29-2034	Radiologic Technologists	689	786	+Avg	Good	Assoc	None	None	M
29-2035	Magnetic Resonance Imaging Technologists	165	190	+Avg	Fair	Assoc	<5	None	M
29-2040	Emergency Medical Technicians and Paramedics	965	1,141	Avg	Good	VocEd	None	None	M
29-2051	Dietetic Technicians	80	89	Low	Poor	Assoc	None	None	M
29-2052	Pharmacy Technicians	1,274	1,430	-Avg	Excl.	HS	None	MOJT	M
29-2053	Psychiatric Technicians	259	335	Low	Fair	VocEd	<5	SOJT	M
29-2055	Surgical Technologists	285	328	Avg	Fair	VocEd	None	None	M
29-2056	Veterinary Technologists and Technicians	416	463	Low	Fair	Assoc	None	None	M
29-2057	Ophthalmic Medical Technicians	238	281	-Avg	Fair	VocEd	None	None	M
29-2061	Licensed Practical and Licensed Vocational Nurses	2,252	2,610	Avg	Excl.	VocEd	None	None	M
29-2081	Opticians, Dispensing	361	418	-Avg	Fair	HS	None	LOJT	M
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	947	1,067	Avg	Good	VocEd	None	None	M
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, & Healthcare Practitioners, AO	147	173	Avg	Fair	VocEd	None	None	M
31-0000 Healthcare Support Occupations									
31-1120	Home Health and Personal Care Aides	8,433	11,784	Low	Excl.	HS	None	SOJT	L
31-1131	Nursing Assistants	4,854	5,555	Low	Excl.	VocEd	None	None	M
31-1132	Orderlies	393	443	Low	Good	HS	None	SOJT	L
31-1133	Psychiatric Aides	160	199	Low	Fair	HS	None	SOJT	L
31-2021	Physical Therapist Assistants	248	352	NA	Good	Assoc	None	None	M
31-2022	Physical Therapist Aides	158	203	Low	Fair	HS	None	SOJT	L
31-9091	Dental Assistants	675	769	-Avg	Good	VocEd	None	None	M

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
31-9092	Medical Assistants	2,761	3,420	Low	Excl.	VocEd	None	None	M
31-9093	Medical Equipment Preparers	190	217	-Avg	Fair	HS	None	MOJT	M
31-9094	Medical Transcriptionists	64	53	-Avg	Poor	VocEd	None	None	M
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	207	227	Low	Fair	HS	None	SOJT	L
31-9097	Phlebotomists	453	582	-Avg	Good	VocEd	None	None	M
33-0000 Protective Service Occupations									
33-1012	First-Line Supervisors of Police and Detectives	338	373	High	Fair	HS	<5	MOJT	M
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	374	411	-Avg	Good	HS	<5	None	M
33-2011	Firefighters	437	516	Avg	Good	VocEd	None	LOJT	M
33-2021	Fire Inspectors and Investigators	101	105	Avg	Fair	VocEd	5+	MOJT	M
33-3011	Bailiffs	95	92	Low	Poor	HS	None	MOJT	M
33-3041	Parking Enforcement Workers	41	28	-Avg	Poor	HS	None	SOJT	L
33-3051	Police and Sheriff's Patrol Officers	1,617	1,793	+Avg	Excl.	HS	None	MOJT	M
33-9021	Private Detectives and Investigators	333	341	+Avg	Fair	HS	<5	MOJT	M
33-9032	Security Guards	3,027	3,390	Low	Excl.	HS	None	SOJT	L
33-9091	Crossing Guards	421	505	Low	Good	NFE	None	SOJT	L
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	285	412	Low	Excl.	NFE	None	SOJT	L
33-9098	School Bus Monitors and Protective Service Workers, All Other	504	570	Low	Excl.	HS	None	SOJT	L
35-0000 Food Preparation and Serving-Related Occupations									
35-1011	Chefs and Head Cooks	436	578	Avg	Good	HS	5+	None	M
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	2,927	3,603	-Avg	Excl.	HS	<5	None	M
35-2011	Cooks, Fast Food	1,155	1,173	Low	Excl.	NFE	None	SOJT	L
35-2012	Cooks, Institution and Cafeteria	2,644	2,710	-Avg	Excl.	NFE	None	SOJT	L
35-2014	Cooks, Restaurant	2,843	4,376	Low	Excl.	NFE	<5	MOJT	L
35-2015	Cooks, Short Order	186	220	Low	Fair	NFE	None	SOJT	L
35-2021	Food Preparation Workers	3,269	3,641	Low	Excl.	NFE	None	SOJT	L
35-3011	Bartenders	1,944	2,573	Low	Excl.	NFE	None	SOJT	L
35-3023	Fast Food and Counter Workers	11,097	13,152	Low	Excl.	NFE	None	SOJT	L
35-3031	Waiters and Waitresses	5,736	7,094	Low	Excl.	NFE	None	SOJT	L
35-3041	Food Servers, Nonrestaurant	870	1,042	Low	Excl.	NFE	None	SOJT	L
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,257	1,629	Low	Excl.	NFE	None	SOJT	L
35-9021	Dishwashers	1,271	1,565	Low	Excl.	NFE	None	SOJT	L
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,374	1,781	Low	Excl.	NFE	None	SOJT	L
35-9099	Food Preparation and Serving Related Workers, All Other	67	82	Low	Fair	NFE	None	SOJT	L

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
37-0000 Building and Grounds Cleaning and Maintenance Occupations									
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1,014	1,107	Avg	Excl.	HS	<5	None	M
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	401	450	Avg	Good	HS	<5	None	M
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	8,846	9,244	Low	Excl.	NFE	None	SOJT	L
37-2012	Maids and Housekeeping Cleaners	1,731	1,840	Low	Excl.	NFE	None	SOJT	L
37-3011	Landscaping and Groundskeeping Workers	3,903	4,235	-Avg	Excl.	NFE	None	SOJT	L
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	146	149	Low	Fair	HS	None	MOJT	M
39-0000 Personal Care and Service Occupations									
39-2011	Animal Trainers	89	109	-Avg	Fair	HS	None	MOJT	M
39-2021	Nonfarm Animal Caretakers	1,035	1,361	Low	Excl.	HS	None	SOJT	L
39-3091	Amusement and Recreation Attendants	1,388	1,850	Low	Excl.	NFE	None	SOJT	L
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	24	27	Low	Poor	HS	None	SOJT	L
39-4021	Funeral Attendants	122	122	-Avg	Fair	HS	None	SOJT	L
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,130	2,678	-Avg	Excl.	VocEd	None	None	M
39-5093	Shampooers	235	297	Low	Fair	NFE	None	SOJT	L
39-5094	Skincare Specialists	94	126	NA	Fair	VocEd	None	None	M
39-6011	Baggage Porters and Bellhops	37	43	Low	Poor	HS	None	SOJT	L
39-6012	Concierges	36	42	Low	Poor	HS	None	MOJT	M
39-7010	Tour and Travel Guides	189	201	Low	Fair	HS	None	MOJT	M
39-9011	Childcare Workers	921	1,108	Low	Excl.	HS	None	SOJT	L
39-9031	Fitness Trainers and Aerobics Instructors	1,059	1,567	-Avg	Excl.	HS	None	SOJT	L
39-9032	Recreation Workers	702	864	Low	Excl.	HS	None	SOJT	L
41-0000 Sales and Related Occupations									
41-1011	First-Line Supervisors of Retail Sales Workers	4,196	4,364	Avg	Excl.	HS	<5	None	M
41-1012	First-Line Supervisors of Non-Retail Sales Workers	845	869	High	Good	HS	<5	None	M
41-2011	Cashiers	13,041	12,165	Low	Excl.	NFE	None	SOJT	L
41-2012	Gaming Change Persons and Booth Cashiers	31	36	Low	Poor	NFE	None	SOJT	L
41-2021	Counter and Rental Clerks	1,008	1,113	Low	Excl.	NFE	None	SOJT	L
41-2022	Parts Salespersons	788	849	-Avg	Excl.	NFE	None	MOJT	L
41-2031	Retail Salespersons	11,179	12,235	Low	Excl.	NFE	None	SOJT	L
41-3011	Advertising Sales Agents	244	222	+Avg	Fair	HS	None	MOJT	M
41-3021	Insurance Sales Agents	1,688	1,879	+Avg	Excl.	HS	None	MOJT	M
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,634	1,680	High	Excl.	Bach	None	MOJT	H
41-3041	Travel Agents	127	134	Avg	Fair	HS	None	MOJT	M

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
41-3091	Sales Reps. of Services, Except Advertising, Insurance, Financial Services, and Travel	2,876	3,235	+Avg	Excl.	HS	None	MOJT	M
41-4011	Sales Reps., Wholesale and Manufacturing, Technical and Scientific Products	1,068	1,123	High	Excl.	Bach	None	MOJT	H
41-4012	Sales Reps., Wholesale and Manufacturing, Except Technical and Scientific Products	3,166	3,302	+Avg	Excl.	HS	None	MOJT	M
41-9021	Real Estate Brokers	44	49	+Avg	Poor	HS	<5	None	M
41-9022	Real Estate Sales Agents	1,017	1,156	Avg	Excl.	HS	None	MOJT	M
41-9031	Sales Engineers	39	40	High	Poor	Bach	None	MOJT	H
43-0000 Office and Administrative Support Occupations									
43-1011	First-Line Supervisors of Office and Administrative Support Workers	5,275	5,200	+Avg	Excl.	HS	<5	None	M
43-2011	Switchboard Operators, Including Answering Service	181	142	Low	Fair	HS	None	SOJT	L
43-3011	Bill and Account Collectors	1,093	967	-Avg	Good	HS	None	MOJT	M
43-3021	Billing and Posting Clerks	1,675	1,732	Avg	Excl.	HS	None	MOJT	M
43-3031	Bookkeeping, Accounting, and Auditing Clerks	6,270	6,076	-Avg	Excl.	HS	None	MOJT	M
43-3051	Payroll and Timekeeping Clerks	498	434	-Avg	Good	HS	None	MOJT	M
43-3071	Tellers	1,282	1,037	Low	Good	HS	None	SOJT	L
43-3099	Financial Clerks, All Other	164	171	Avg	Fair	HS	None	SOJT	L
43-4011	Brokerage Clerks	226	201	+Avg	Fair	HS	None	MOJT	M
43-4031	Court, Municipal, and License Clerks	843	863	-Avg	Good	HS	None	LOJT	M
43-4051	Customer Service Representatives	8,499	8,137	-Avg	Excl.	HS	None	SOJT	L
43-4061	Eligibility Interviewers, Government Programs	106	114	-Avg	Fair	HS	None	MOJT	M
43-4071	File Clerks	388	334	Low	Fair	HS	None	SOJT	L
43-4081	Hotel, Motel, and Resort Desk Clerks	426	459	Low	Good	HS	None	SOJT	L
43-4111	Interviewers, Except Eligibility and Loan	583	554	-Avg	Good	HS	None	SOJT	L
43-4121	Library Assistants, Clerical	415	434	Low	Good	HS	None	SOJT	L
43-4131	Loan Interviewers and Clerks	1,064	1,026	-Avg	Good	HS	None	SOJT	L
43-4141	New Accounts Clerks	143	116	-Avg	Poor	HS	None	MOJT	M
43-4151	Order Clerks	330	287	-Avg	Fair	HS	None	SOJT	L
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	340	330	-Avg	Fair	Assoc	None	None	M
43-4171	Receptionists and Information Clerks	2,376	2,424	Low	Excl.	HS	None	SOJT	L
43-4199	Information and Record Clerks, All Other	355	354	-Avg	Fair	HS	None	SOJT	L
43-5011	Cargo and Freight Agents	125	130	-Avg	Fair	HS	None	SOJT	L
43-5021	Couriers and Messengers	536	525	Low	Good	HS	None	SOJT	L
43-5031	Police, Fire, and Ambulance Dispatchers	228	268	Avg	Fair	HS	None	MOJT	M
43-5032	Dispatchers, Except Police, Fire, and Ambulance	613	632	-Avg	Good	HS	None	MOJT	M
43-5041	Meter Readers, Utilities	99	92	Avg	Poor	HS	None	SOJT	L
43-5051	Postal Service Clerks	256	264	Avg	Fair	HS	None	SOJT	L

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
43-5052	Postal Service Mail Carriers	1,050	1,083	Avg	Good	HS	None	SOJT	L
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	375	368	Avg	Fair	HS	None	SOJT	L
43-5061	Production, Planning, and Expediting Clerks	550	583	Avg	Good	HS	None	MOJT	M
43-5071	Shipping, Receiving, and Traffic Clerks	3,021	2,962	Low	Excl.	HS	None	SOJT	L
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	153	174	-Avg	Fair	HS	None	SOJT	L
43-6011	Executive Secretaries and Executive Administrative Assistants	1,490	1,187	+Avg	Excl.	HS	<5	None	M
43-6012	Legal Secretaries	1,108	849	Avg	Good	HS	None	MOJT	M
43-6013	Medical Secretaries	5,022	5,770	-Avg	Excl.	HS	None	MOJT	M
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	7,100	6,420	-Avg	Excl.	HS	None	SOJT	L
43-9021	Data Entry Keyers	415	321	Low	Fair	HS	None	SOJT	L
43-9022	Word Processors and Typists	40	26	Avg	Poor	HS	None	SOJT	L
43-9041	Insurance Claims and Policy Processing Clerks	694	726	Avg	Good	HS	None	MOJT	M
43-9061	Office Clerks, General	5,899	5,748	Low	Excl.	HS	None	SOJT	L
43-9071	Office Machine Operators, Except Computer	341	293	-Avg	Fair	HS	None	SOJT	L
43-9199	Office and Administrative Support Workers, All Other	600	648	-Avg	Good	HS	None	SOJT	L
45-0000 Farming, Fishing, and Forestry Occupations									
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	217	223	Avg	Fair	HS	<5	None	M
45-2021	Animal Breeders	21	20	NA	Poor	HS	None	SOJT	L
45-2041	Graders and Sorters, Agricultural Products	150	138	Low	Fair	NFE	None	SOJT	L
45-2091	Agricultural Equipment Operators	234	249	-Avg	Good	NFE	None	MOJT	L
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	1,150	1,051	Low	Excl.	NFE	None	SOJT	L
45-2099	Agricultural Workers, All Other	19	18	NA	Poor	NFE	None	SOJT	L
47-0000 Construction and Extraction Occupations									
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	2,287	2,701	+Avg	Excl.	HS	5+	None	M
47-2031	Carpenters	2,380	2,755	Avg	Excl.	HS	None	App	M
47-2041	Carpet Installers	223	222	Avg	Fair	NFE	None	SOJT	L
47-2044	Tile and Marble Setters	91	115	-Avg	Fair	NFE	None	LOJT	M
47-2051	Cement Masons and Concrete Finishers	391	421	Avg	Good	NFE	None	MOJT	L
47-2061	Construction Laborers	2,377	2,869	-Avg	Excl.	NFE	None	SOJT	L
47-2071	Paving, Surfacing, and Tamping Equipment Operators	332	378	-Avg	Good	HS	None	MOJT	M
47-2073	Operating Engineers and Other Construction Equipment Operators	1,307	1,448	Avg	Excl.	HS	None	MOJT	M
47-2081	Drywall and Ceiling Tile Installers	195	223	-Avg	Fair	NFE	None	MOJT	L
47-2111	Electricians	2,356	2,749	Avg	Excl.	HS	None	App	M

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
47-2121	Glaziers	46	49	-Avg	Poor	HS	None	App	M
47-2132	Insulation Workers, Mechanical	126	141	Avg	Fair	HS	None	App	M
47-2141	Painters, Construction and Maintenance	890	1,050	-Avg	Good	NFE	None	MOJT	L
47-2151	Pipelayers	116	125	-Avg	Fair	NFE	None	SOJT	L
47-2152	Plumbers, Pipefitters, and Steamfitters	1,174	1,345	+Avg	Excl.	HS	None	App	M
47-2181	Roofers	306	347	-Avg	Fair	NFE	None	MOJT	L
47-2221	Structural Iron and Steel Workers	332	399	+Avg	Good	HS	None	App	M
47-3011	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	161	163	-Avg	Fair	NFE	None	SOJT	L
47-3012	Helpers—Carpenters	204	231	Low	Fair	NFE	None	SOJT	L
47-3013	Helpers—Electricians	219	239	Low	Fair	HS	None	SOJT	L
47-3015	Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters	225	256	Low	Fair	HS	None	SOJT	L
47-4011	Construction and Building Inspectors	526	535	+Avg	Good	HS	5+	MOJT	M
47-4031	Fence Erectors	163	182	-Avg	Fair	NFE	None	MOJT	L
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	122	153	Avg	Fair	HS	None	MOJT	M
47-4090	Miscellaneous Construction and Related Workers	168	200	-Avg	Fair	HS	None	MOJT	M
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	72	85	Avg	Fair	HS	<5	LOJT	M
49-0000 Installation, Maintenance, and Repair Occupations									
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	1,744	1,823	+Avg	Excl.	HS	<5	None	M
49-2011	Computer, Automated Teller, and Office Machine Repairers	277	269	Avg	Fair	HS	None	SOJT	L
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	49	52	Avg	Poor	Assoc	None	MOJT	M
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	351	344	Avg	Fair	VocEd	None	MOJT	M
49-2091	Avionics Technicians	63	65	+Avg	Poor	Assoc	None	None	M
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	195	187	+Avg	Fair	VocEd	None	LOJT	M
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	46	45	High	Poor	VocEd	<5	MOJT	M
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	43	25	Avg	Poor	HS	None	MOJT	M
49-2098	Security and Fire Alarm Systems Installers	192	237	Avg	Fair	HS	None	MOJT	M
49-3011	Aircraft Mechanics and Service Technicians	373	387	+Avg	Fair	VocEd	None	None	M
49-3021	Automotive Body and Related Repairers	398	412	Avg	Fair	HS	None	LOJT	M
49-3023	Automotive Service Technicians and Mechanics	1,957	1,972	Avg	Excl.	VocEd	None	SOJT	M
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	577	624	Avg	Good	HS	None	LOJT	M

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
49-3041	Farm Equipment Mechanics and Service Technicians	148	157	-Avg	Fair	HS	None	LOJT	M
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	455	506	Avg	Good	HS	None	LOJT	M
49-3051	Motorboat Mechanics and Service Technicians	97	120	-Avg	Fair	HS	None	LOJT	M
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	220	235	-Avg	Fair	HS	None	MOJT	M
49-3093	Tire Repairers and Changers	182	199	Low	Fair	HS	None	SOJT	L
49-9011	Mechanical Door Repairers	59	73	-Avg	Poor	HS	None	MOJT	M
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	33	37	Avg	Poor	HS	None	MOJT	M
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,613	1,779	Avg	Excl.	VocEd	None	LOJT	M
49-9031	Home Appliance Repairers	86	93	-Avg	Poor	HS	None	MOJT	M
49-9041	Industrial Machinery Mechanics	920	1,078	+Avg	Excl.	HS	None	LOJT	M
49-9043	Maintenance Workers, Machinery	81	92	Avg	Poor	HS	None	LOJT	M
49-9044	Millwrights	81	92	+Avg	Poor	HS	None	App	M
49-9051	Electrical Power-Line Installers and Repairers	367	396	+Avg	Fair	HS	None	LOJT	M
49-9062	Medical Equipment Repairers	159	170	NA	Fair	Assoc	None	MOJT	M
49-9069	Precision Instrument and Equipment Repairers, All Other	161	171	+Avg	Fair	HS	None	LOJT	M
49-9071	Maintenance and Repair Workers, General	3,245	3,414	-Avg	Excl.	HS	None	MOJT	M
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	43	49	NA	Poor	HS	None	SOJT	L
49-9094	Locksmiths and Safe Repairers	37	36	Avg	Poor	HS	None	LOJT	M
49-9095	Manufactured Building and Mobile Home Installers	31	30	-Avg	Poor	HS	None	SOJT	L
49-9098	Helpers—Installation, Maintenance, and Repair Workers	819	901	Low	Excl.	HS	None	SOJT	L
49-9099	Installation, Maintenance, and Repair Workers, All Other	261	282	-Avg	Fair	HS	None	MOJT	M
51-0000 Production Occupations									
51-1011	First-Line Supervisors of Production and Operating Workers	1,313	1,367	+Avg	Excl.	HS	<5	None	M
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	396	397	-Avg	Good	HS	None	MOJT	M
51-2041	Structural Metal Fabricators and Fitters	126	124	Avg	Fair	HS	None	MOJT	M
51-2090	Miscellaneous Assemblers and Fabricators	1,386	1,256	Low	Excl.	HS	None	MOJT	M
51-3011	Bakers	188	216	Low	Fair	NFE	None	LOJT	M
51-3021	Butchers and Meat Cutters	163	166	-Avg	Fair	NFE	None	LOJT	M
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	4,882	5,086	Low	Excl.	NFE	None	SOJT	L
51-3092	Food Batchmakers	171	175	Low	Fair	HS	None	MOJT	M
51-3099	Food Processing Workers, All Other	194	201	Low	Fair	NFE	None	MOJT	L

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	232	252	-Avg	Fair	HS	None	MOJT	M
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	256	234	-Avg	Fair	HS	None	MOJT	M
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	53	49	Low	Poor	HS	None	MOJT	M
51-4041	Machinists	296	314	Avg	Fair	HS	None	LOJT	M
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	88	91	-Avg	Poor	HS	None	MOJT	M
51-4121	Welders, Cutters, Solderers, and Brazers	604	685	Avg	Good	HS	None	MOJT	M
51-5111	Prepress Technicians and Workers	46	41	Avg	Poor	VocEd	None	None	M
51-5112	Printing Press Operators	255	278	-Avg	Fair	HS	None	MOJT	M
51-5113	Print Binding and Finishing Workers	51	52	-Avg	Poor	HS	None	MOJT	M
51-6011	Laundry and Dry-Cleaning Workers	608	655	Low	Good	NFE	None	SOJT	L
51-6021	Pressers, Textile, Garment, and Related Materials	15	13	Low	Poor	NFE	None	SOJT	L
51-6031	Sewing Machine Operators	97	95	Low	Fair	NFE	None	SOJT	L
51-6052	Tailors, Dressmakers, and Custom Sewers	84	90	Low	Fair	NFE	None	MOJT	L
51-7011	Cabinetmakers and Bench Carpenters	243	274	Avg	Fair	HS	None	MOJT	M
51-7021	Furniture Finishers	15	18	-Avg	Poor	HS	None	SOJT	L
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	28	32	-Avg	Poor	HS	None	MOJT	M
51-8012	Power Distributors and Dispatchers	64	61	High	Poor	HS	None	LOJT	M
51-8021	Stationary Engineers and Boiler Operators	49	52	+Avg	Poor	HS	None	LOJT	M
51-8031	Water and Wastewater Treatment Plant and System Operators	244	252	Avg	Fair	HS	None	LOJT	M
51-9011	Chemical Equipment Operators and Tenders	441	407	+Avg	Fair	HS	None	MOJT	M
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	56	60	-Avg	Poor	HS	None	MOJT	M
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	47	51	-Avg	Poor	HS	None	MOJT	M
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	290	294	-Avg	Fair	HS	None	MOJT	M
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	836	741	Avg	Good	HS	None	MOJT	M
51-9081	Dental Laboratory Technicians	117	133	-Avg	Fair	HS	None	MOJT	M
51-9111	Packaging and Filling Machine Operators and Tenders	955	974	Low	Excl.	HS	None	MOJT	M
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	136	148	-Avg	Fair	HS	None	MOJT	M
51-9141	Semiconductor Processors	2	2	NA	Poor	HS	None	MOJT	M
51-9161	Computer Numerically Controlled Tool Operators	107	108	-Avg	Fair	HS	None	MOJT	M

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2020 Est. Empl.	2030 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training	Skill
51-9162	Computer Numerically Controlled Tool Programmers	24	29	Avg	Poor	VocEd	None	MOJT	M
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	70	92	-Avg	Fair	HS	None	LOJT	M
51-9198	Helpers--Production Workers	295	300	Low	Good	HS	None	SOJT	L
51-9199	Production Workers, All Other	89	85	NA	Poor	HS	None	MOJT	M
53-0000 Transportation and Material Moving Occupations									
53-2012	Commercial Pilots	288	301	High	Fair	HS	None	MOJT	M
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	94	109	Low	Fair	HS	None	MOJT	M
53-3032	Heavy and Tractor-Trailer Truck Drivers	4,822	5,265	Avg	Excl.	VocEd	None	SOJT	M
53-3033	Light Truck or Delivery Services Drivers	3,240	3,636	-Avg	Excl.	HS	None	SOJT	L
53-3052	Bus Drivers, Transit and Intercity	400	433	Avg	Good	HS	None	MOJT	M
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	2,516	3,181	-Avg	Excl.	NFE	None	SOJT	L
53-5011	Sailors and Marine Oilers	29	31	Avg	Poor	NFE	None	MOJT	L
53-5021	Captains, Mates, and Pilots of Water Vessels	77	79	+Avg	Poor	VocEd	<5	None	M
53-6021	Parking Lot Attendants	300	343	Low	Good	NFE	None	SOJT	L
53-6031	Automotive and Watercraft Service Attendants	113	129	Low	Fair	NFE	None	SOJT	L
53-6051	Transportation Inspectors	125	127	NA	Fair	HS	None	MOJT	M
53-7021	Crane and Tower Operators	205	208	+Avg	Fair	HS	<5	MOJT	M
53-7051	Industrial Truck and Tractor Operators	4,272	4,935	-Avg	Excl.	NFE	None	SOJT	L
53-7061	Cleaners of Vehicles and Equipment	1,003	1,069	Low	Excl.	NFE	None	SOJT	L
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	4,434	4,818	Low	Excl.	NFE	None	SOJT	L
53-7063	Machine Feeders and Offbearers	169	172	Low	Fair	NFE	None	SOJT	L
53-7064	Packers and Packagers, Hand	3,084	3,217	Low	Excl.	NFE	None	SOJT	L
53-7065	Stockers and Order Fillers	6,626	7,537	Low	Excl.	HS	None	SOJT	L
53-7081	Refuse and Recyclable Material Collectors	253	311	Avg	Good	NFE	None	SOJT	L
53-7121	Tank Car, Truck, and Ship Loaders	1	1	NA	Poor	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.

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 2020 to 2030, 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 2020 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 105,558 projected. The **Health Science** cluster has the most new jobs projected, with 11,321. The clusters with the fewest job openings projected are **Arts, Audio/Video Technology & Communications**, with 1,933; **Science, Technology, Engineering & Mathematics (STEM)**, with 3,841; and **Government & Public Administration**, with 4,109. 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 job openings may be relatively scarce, **Science, Technology, Engineering & Mathematics (STEM)** is again the highest-paying cluster; its occupations paid an average wage of \$103,427 in 2020. **Information Technology** was next highest, at \$99,677. **Hospitality and Tourism** again had the lowest average wage. This cluster's occupations paid an average \$28,968 in 2020. The cluster with the second lowest average pay is **Agriculture, Food & Natural Resources**, at \$39,479.

Wages, Projected Openings, and Growth by Career Cluster, 2020–2030

Career Cluster	Average Wage 2020	Rank	Total Openings	Rank	Percent Total Openings	New Jobs	Ann. Pct. Growth
Agriculture, Food & Natural Resources	\$39,479	15th	6,183	13th	1.2%	433	0.8%
Architecture & Construction	\$54,101	8th	33,331	6th	6.5%	3,678	1.2%
Arts, Audio/Video Technology & Communications	\$49,934	9th	1,933	16th	0.4%	107	0.2%
Business Management & Administration	\$63,478	5th	67,088	2nd	13.1%	1,804	-0.1%
Education & Training	\$59,340	7th	24,945	8th	4.9%	1,598	0.6%
Finance	\$86,319	3rd	17,414	9th	3.4%	1,153	0.4%
Government & Public Administration	\$67,818	4th	4,109	14th	0.8%	354	0.8%
Health Science	\$62,731	6th	61,567	4th	12.0%	11,321	1.9%
Hospitality & Tourism	\$28,968	16th	105,558	1st	20.6%	9,669	1.7%
Human Services	\$42,388	13th	16,814	10th	3.3%	2,357	1.8%
Information Technology	\$99,677	2nd	12,784	12th	2.5%	1,797	1.1%
Law, Public Safety, Corrections & Security	\$49,457	10th	14,267	11th	2.8%	1,182	0.8%
Manufacturing	\$45,872	12th	25,205	7th	4.9%	1,106	0.3%
Marketing, Sales & Service	\$49,281	11th	63,871	3rd	12.5%	2,820	0.4%
Science, Technology, Engineering & Mathematics	\$103,427	1st	3,841	15th	0.7%	156	0.3%
Transportation, Distribution & Logistics	\$39,606	14th	53,877	5th	10.5%	4,216	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	2020 Average Wage
<i>Agriculture, Food, and Natural Resources</i>							
19-4010	Agricultural and Food Science Technicians	-0.1%	0	1	7	8	\$42,762
45-2091	Agricultural Equipment Operators	0.6%	2	10	28	40	\$44,290
45-2099	Agricultural Workers, All Other	-0.5%	0	1	2	3	NA
45-2021	Animal Breeders	-0.5%	0	1	2	3	NA
19-4021	Biological Technicians	0.1%	0	4	16	20	\$52,925
17-3025	Environmental Engineering Technicians	0.7%	0	1	3	4	\$58,426
17-2081	Environmental Engineers	0.1%	0	4	8	12	\$88,284
49-3041	Farm Equipment Mechanics and Service Technicians	0.6%	1	5	10	16	\$42,635
13-1074	Farm Labor Contractors	0.0%	0	0	0	0	NA
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	-0.9%	-10	47	126	163	\$32,534
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	0.3%	1	8	23	32	\$53,192
19-1032	Foresters	0.0%	0	0	1	1	\$60,728
45-2041	Graders and Sorters, Agricultural Products	-0.8%	-1	6	16	21	\$29,322
11-9121	Natural Sciences Managers	0.2%	0	6	16	22	NA
39-2021	Nonfarm Animal Caretakers	2.8%	33	77	99	209	\$27,205
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	0.2%	0	6	13	19	\$32,671
53-7081	Refuse and Recyclable Material Collectors	2.1%	6	12	25	43	\$47,422
19-1013	Soil and Plant Scientists	0.4%	0	2	6	8	\$66,830
51-8031	Water and Wastewater Treatment Plant and System Operators	0.3%	1	7	15	23	\$50,943
<i>Architecture and Construction</i>							
17-1011	Architects, Except Landscape and Naval	0.5%	1	5	8	14	\$78,604
17-3011	Architectural and Civil Drafters	-0.2%	-1	10	21	30	\$53,835
47-2031	Carpenters	1.5%	38	75	160	273	\$50,068
47-2041	Carpet Installers	0.0%	0	6	13	19	\$55,576
47-2051	Cement Masons and Concrete Finishers	0.7%	3	10	27	40	\$52,036
17-3022	Civil Engineering Technicians	0.0%	0	10	21	31	\$48,752
17-2051	Civil Engineers	0.7%	6	18	44	68	\$92,867
47-2061	Construction Laborers	1.9%	49	78	177	304	\$38,887
11-9021	Construction Managers	2.6%	22	18	44	84	\$132,931
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	1.2%	0	1	2	3	\$49,848
13-1051	Cost Estimators	1.0%	9	27	58	94	\$69,796
53-7021	Crane and Tower Operators	0.1%	0	6	16	22	\$59,057

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
47-2081	Drywall and Ceiling Tile Installers	1.4%	3	5	12	20	\$45,083
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	1.7%	1	2	7	10	\$55,723
49-9051	Electrical Power-Line Installers and Repairers	0.8%	3	7	26	36	\$79,597
47-2111	Electricians	1.6%	39	74	187	300	\$58,409
47-4031	Fence Erectors	1.1%	2	4	13	19	\$41,790
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1.7%	41	70	162	273	\$75,117
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	1.2%	5	13	30	48	\$58,816
47-2121	Glaziers	0.6%	0	1	4	5	\$39,831
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1.0%	17	44	116	177	\$53,952
47-3011	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	0.1%	0	5	14	19	\$37,919
47-3012	Helpers—Carpenters	1.3%	3	6	19	28	\$27,552
47-3013	Helpers—Electricians	0.9%	2	7	20	29	\$31,994
49-9098	Helpers—Installation, Maintenance, and Repair Workers	1.0%	8	37	72	117	\$29,389
47-3015	Helpers—Pipefitters, Plumbers, Pipefitters, and Steamfitters	1.3%	3	7	21	31	\$31,675
47-2132	Insulation Workers, Mechanical	1.1%	2	3	9	14	\$53,629
27-1025	Interior Designers	1.0%	2	5	10	17	\$59,223
37-3011	Landscaping and Groundskeeping Workers	0.8%	33	175	349	557	\$36,251
49-9095	Manufactured Building and Mobile Home Installers	-0.3%	0	1	2	3	\$41,507
49-9011	Mechanical Door Repairers	2.2%	1	2	4	7	\$41,550
49-9044	Millwrights	1.3%	1	2	5	8	\$64,070
47-4090	Miscellaneous Construction and Related Workers	1.8%	3	6	15	24	\$44,443
47-2073	Operating Engineers and Other Construction Equipment Operators	1.0%	14	45	99	158	\$47,028
47-2141	Painters, Construction and Maintenance	1.7%	16	29	54	99	\$40,281
47-2071	Paving, Surfacing, and Tamping Equipment Operators	1.3%	5	12	25	42	\$44,312
47-2151	Pipelayers	0.8%	1	4	9	14	\$45,180
47-2152	Plumbers, Pipefitters, and Steamfitters	1.4%	17	37	91	145	\$61,063
47-2181	Roofers	1.3%	4	8	23	35	\$44,676
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	2.3%	3	4	11	18	\$45,993
51-8021	Stationary Engineers and Boiler Operators	0.6%	0	2	4	6	\$69,604
47-2221	Structural Iron and Steel Workers	1.9%	7	9	28	44	\$64,987
51-2041	Structural Metal Fabricators and Fitters	-0.2%	0	3	10	13	\$46,645
17-3031	Surveying and Mapping Technicians	0.2%	0	5	12	17	\$44,704
17-1022	Surveyors	-0.2%	0	3	5	8	\$65,203
47-2044	Tile and Marble Setters	2.4%	2	3	6	11	\$39,152

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
Arts, Audio/Visual, and Communications							
27-4011	Audio and Video Equipment Technicians	1.2%	1	2	5	8	\$52,012
27-4012	Broadcast Technicians	-0.6%	0	0	1	1	NA
27-3041	Editors	-0.9%	-2	6	12	16	\$56,461
27-1023	Floral Designers	-1.9%	-2	2	5	5	\$31,795
27-1024	Graphic Designers	0.5%	2	13	25	40	\$57,488
27-3023	News Analysts, Reporters, and Journalists	-1.9%	-2	3	7	8	\$56,547
27-4021	Photographers	1.9%	5	9	16	30	\$43,438
51-5111	Prepress Technicians and Workers	-1.1%	0	2	4	6	\$54,061
51-5113	Print Binding and Finishing Workers	0.2%	0	2	3	5	\$41,359
51-5112	Printing Press Operators	0.9%	2	10	19	31	\$37,607
27-2012	Producers and Directors	0.2%	0	1	3	4	\$66,148
27-3042	Technical Writers	0.7%	1	4	8	13	NA
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	-0.2%	-1	12	27	38	\$51,635
27-3043	Writers and Authors	1.7%	1	3	4	8	NA
Business, Management, and Administration							
11-3010	Administrative Services and Facilities Managers	0.7%	6	24	41	71	\$131,104
43-3031	Bookkeeping, Accounting, and Auditing Clerks	-0.3%	-19	362	315	658	\$44,287
13-1020	Buyers and Purchasing Agents	-0.4%	-5	41	78	114	\$73,595
11-1011	Chief Executives	-0.8%	-4	13	20	29	NA
13-1141	Compensation, Benefits, and Job Analysis Specialists	0.8%	2	9	17	28	\$79,009
11-3021	Computer and Information Systems Managers	0.8%	14	29	100	143	\$171,134
43-4051	Customer Service Representatives	-0.4%	-36	391	654	1,009	\$40,857
43-9021	Data Entry Keyers	-2.5%	-9	16	23	30	\$34,412
43-6011	Executive Secretaries and Executive Administrative Assistants	-2.2%	-30	68	75	113	\$70,320
43-4071	File Clerks	-1.5%	-5	20	22	37	\$31,372
43-1011	First-Line Supervisors of Office and Administrative Support Workers	-0.1%	-8	194	320	506	\$64,251
13-1131	Fundraisers	0.8%	4	18	36	58	\$62,140
11-9171	Funeral Home Managers	0.0%	0	1	1	2	NA
11-1021	General and Operations Managers	0.8%	35	87	270	392	\$155,859
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	-0.3%	-1	13	20	32	\$40,938
11-3121	Human Resources Managers	0.5%	2	10	23	35	\$150,926
13-1071	Human Resources Specialists	0.7%	16	62	151	229	\$70,347
11-3051	Industrial Production Managers	0.2%	1	7	17	25	\$135,905
43-4199	Information and Record Clerks, All Other	0.0%	0	14	23	37	\$44,624
43-4111	Interviewers, Except Eligibility and Loan	-0.5%	-3	33	37	67	\$44,097

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
13-1075	Labor Relations Specialists	-1.4%	-13	24	58	69	NA
43-4121	Library Assistants, Clerical	0.4%	2	38	27	67	\$25,014
13-1111	Management Analysts	1.2%	42	112	201	355	\$86,520
13-1121	Meeting, Convention, and Event Planners	0.7%	2	11	28	41	\$53,984
43-5041	Meter Readers, Utilities	-0.7%	-1	3	4	6	\$49,693
43-4141	New Accounts Clerks	-2.1%	-3	4	8	9	\$41,012
43-9199	Office and Administrative Support Workers, All Other	0.8%	5	26	43	74	\$43,442
43-9061	Office Clerks, General	-0.3%	-15	318	345	648	\$31,442
43-9071	Office Machine Operators, Except Computer	-1.5%	-5	16	19	30	\$38,411
15-2031	Operations Research Analysts	1.7%	13	17	34	64	\$91,325
43-4151	Order Clerks	-1.4%	-4	13	19	28	\$35,735
43-3051	Payroll and Timekeeping Clerks	-1.4%	-6	22	26	42	\$40,481
11-9198	Personal Service Managers; Entertainment & Recreation Managers, Except Gambling; and Managers, All Other	0.8%	7	20	43	70	\$147,274
43-5051	Postal Service Clerks	0.3%	1	12	9	22	\$52,571
43-5052	Postal Service Mail Carriers	0.3%	3	37	38	78	\$52,887
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	-0.2%	-1	20	12	31	\$52,574
13-1198	Project Management Specialists and Business Operations Specialists, All Other	0.4%	9	56	118	183	\$89,413
43-4171	Receptionists and Information Clerks	0.2%	5	134	166	305	\$28,523
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	-1.0%	-68	344	378	654	\$41,347
43-5071	Shipping, Receiving, and Traffic Clerks	-0.2%	-6	109	176	279	\$33,506
43-2011	Switchboard Operators, Including Answering Service	-2.4%	-4	8	9	13	\$31,308
11-3131	Training and Development Managers	0.6%	0	2	6	8	\$141,119
13-1151	Training and Development Specialists	0.9%	10	34	70	114	\$71,073
43-9022	Word Processors and Typists	-4.2%	-1	2	2	3	\$45,309
Education and Training							
25-1011	Business Teachers, Postsecondary	0.1%	0	23	24	47	NA
25-1052	Chemistry Teachers, Postsecondary	0.2%	0	5	5	10	\$94,381
25-1021	Computer Science Teachers, Postsecondary	0.1%	0	6	7	13	\$93,952
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	0.5%	0	2	2	4	\$73,232
25-4012	Curators	0.2%	0	3	4	7	\$58,526
11-9039	Education Administrators, All Other	0.7%	1	2	4	7	\$106,352
11-9032	Education Administrators, Elementary and Secondary School	0.3%	2	24	44	70	\$118,580
11-9033	Education Administrators, Postsecondary	0.3%	1	8	16	25	\$139,745
11-9031	Education Administrators, Preschool and Childcare Center/Program	1.7%	5	7	14	26	\$64,890

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
25-1081	Education Teachers, Postsecondary	0.3%	1	10	11	22	\$73,745
25-9099	Education, Training, and Library Workers, All Other	-0.4%	0	3	2	5	\$53,115
21-1012	Educational, Guidance, School, and Vocational Counselors	0.7%	10	45	81	136	\$67,529
25-2021	Elementary School Teachers, Except Special Education	0.2%	9	137	179	325	\$66,142
25-1123	English Language and Literature Teachers, Postsecondary	0.1%	0	16	17	33	\$72,975
25-9021	Farm and Home Management Advisors	-0.5%	-1	9	8	16	\$57,570
25-1071	Health Specialties Teachers, Postsecondary	1.8%	6	15	15	36	NA
25-1125	History Teachers, Postsecondary	0.0%	0	3	3	6	\$73,707
25-9031	Instructional Coordinators	0.6%	6	50	45	101	\$65,347
27-3091	Interpreters and Translators	2.8%	2	2	3	7	\$55,577
25-2012	Kindergarten Teachers, Except Special Education	0.3%	1	11	16	28	\$62,997
25-4022	Librarians and Media Collections Specialists	0.5%	2	20	18	40	\$69,439
25-4031	Library Technicians	-0.2%	0	20	15	35	\$41,394
25-1022	Mathematical Science Teachers, Postsecondary	0.0%	0	9	10	19	\$80,682
25-2022	Middle School Teachers, Except Special and Career/Technical Education	0.2%	4	72	95	171	\$64,718
25-1072	Nursing Instructors and Teachers, Postsecondary	1.5%	6	18	19	43	NA
25-1199	Postsecondary Teachers, All Other	0.0%	0	6	6	12	\$71,265
25-2011	Preschool Teachers, Except Special Education	2.6%	59	95	136	290	\$29,369
25-1066	Psychology Teachers, Postsecondary	0.4%	0	5	5	10	NA
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	0.2%	8	98	149	255	\$68,024
25-3021	Self-Enrichment Education Teachers	1.1%	6	35	31	72	\$33,043
25-2052	Special Education Teachers, Kindergarten and Elementary School	0.2%	3	54	66	123	\$63,181
25-2058	Special Education Teachers, Secondary School	0.2%	2	24	29	55	\$69,604
25-9045	Teaching Assistants, Except Postsecondary	0.7%	37	252	264	553	\$33,469
25-9044	Teaching Assistants, Postsecondary	0.2%	0	2	2	4	\$35,017
25-1194	Vocational Education Teachers, Postsecondary	-0.1%	0	11	12	23	\$61,291
Finance							
13-2011	Accountants and Auditors	0.6%	34	152	323	509	\$81,989
43-3011	Bill and Account Collectors	-1.2%	-13	38	73	98	\$40,878
43-4011	Brokerage Clerks	-1.2%	-2	9	14	21	\$60,557
13-2031	Budget Analysts	0.2%	0	3	7	10	\$76,608
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	0.5%	19	61	199	279	\$97,600
43-3099	Financial Clerks, All Other	0.4%	1	6	12	19	\$46,243
11-3031	Financial Managers	1.4%	34	52	126	212	\$176,634
43-9041	Insurance Claims and Policy Processing Clerks	0.5%	3	25	42	70	\$45,527

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
41-3021	Insurance Sales Agents	1.1%	19	59	100	178	\$65,042
13-2053	Insurance Underwriters	0.0%	0	5	13	18	\$88,859
43-4131	Loan Interviewers and Clerks	-0.4%	-4	30	61	87	\$42,267
41-3031	Securities, Commodities, and Financial Services Sales Agents	0.3%	5	37	104	146	\$94,602
13-2082	Tax Preparers	0.4%	1	16	16	33	NA
43-3071	Tellers	-2.1%	-24	47	73	96	\$34,168
Government and Public Administration							
13-1041	Compliance Officers	0.4%	5	35	78	118	\$82,932
47-4011	Construction and Building Inspectors	0.2%	1	29	32	62	\$61,721
43-4031	Court, Municipal, and License Clerks	0.2%	2	42	43	87	\$37,504
43-4061	Eligibility Interviewers, Government Programs	0.7%	1	4	6	11	\$38,915
13-2061	Financial Examiners	2.5%	24	26	45	95	\$81,233
11-1031	Legislators	0.9%	1	2	5	8	NA
11-9131	Postmasters and Mail Superintendents	0.3%	0	1	2	3	\$85,199
13-2020	Property Appraisers and Assessors	1.0%	1	4	4	9	\$55,978
13-2081	Tax Examiners and Collectors, and Revenue Agents	-0.3%	0	4	5	9	\$62,697
53-6051	Transportation Inspectors	0.2%	0	4	9	13	NA
19-3051	Urban and Regional Planners	0.7%	1	3	14	18	\$65,903
Health Sciences							
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	1.5%	1	4	1	6	\$85,715
29-1181	Audiologists	2.1%	1	1	1	3	\$82,243
29-2031	Cardiovascular Technologists and Technicians	1.5%	4	8	12	24	\$57,120
29-1011	Chiropractors	1.8%	3	3	1	7	\$86,939
29-2010	Clinical Laboratory Technologists and Technicians	1.4%	9	17	24	50	\$58,599
31-9091	Dental Assistants	1.3%	9	33	51	93	\$39,892
29-1292	Dental Hygienists	1.3%	8	21	15	44	\$86,279
29-1021	Dentists, General	1.3%	4	6	3	13	NA
29-2032	Diagnostic Medical Sonographers	2.2%	5	6	10	21	\$74,630
29-2051	Dietetic Technicians	1.1%	1	2	4	7	\$34,573
29-1031	Dietitians and Nutritionists	1.4%	2	6	6	14	\$63,492
29-2040	Emergency Medical Technicians and Paramedics	1.7%	18	20	49	87	\$45,529
19-1041	Epidemiologists	2.8%	0	0	1	1	\$88,054
29-1128	Exercise Physiologists	2.9%	4	4	4	12	\$46,801
29-1215	Family Medicine Physicians	1.0%	6	10	7	23	\$222,930
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, & Healthcare Practitioners, AO	1.6%	3	4	7	14	\$50,036
31-1120	Home Health and Personal Care Aides	3.4%	335	647	572	1,554	\$25,345

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
29-2061	Licensed Practical and Licensed Vocational Nurses	1.5%	36	82	102	220	\$53,922
29-2035	Magnetic Resonance Imaging Technologists	1.4%	2	5	8	15	\$76,559
11-9111	Medical and Health Services Managers	3.2%	39	31	63	133	\$130,304
31-9092	Medical Assistants	2.2%	66	127	231	424	\$34,752
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	1.2%	12	28	43	83	\$48,867
31-9093	Medical Equipment Preparers	1.3%	3	11	13	27	\$43,300
19-1042	Medical Scientists, Except Epidemiologists	1.2%	5	6	26	37	\$113,496
43-6013	Medical Secretaries	1.4%	75	274	301	650	\$37,003
31-9094	Medical Transcriptionists	-1.9%	-1	3	5	7	\$36,932
29-2033	Nuclear Medicine Technologists	1.4%	1	2	4	7	\$84,420
29-1161	Nurse Midwives	1.8%	1	1	1	3	\$96,089
29-1171	Nurse Practitioners	4.5%	42	20	30	92	\$112,233
31-1131	Nursing Assistants	1.4%	70	333	295	698	\$32,982
29-1218	Obstetricians and Gynecologists	0.9%	1	2	1	4	\$287,159
19-5011	Occupational Health and Safety Specialists	0.6%	2	11	17	30	\$79,613
19-5012	Occupational Health and Safety Technicians	0.9%	0	1	2	3	\$52,202
29-1122	Occupational Therapists	1.7%	11	14	20	45	\$82,362
29-2057	Ophthalmic Medical Technicians	1.7%	4	7	11	22	\$40,776
29-2081	Opticians, Dispensing	1.5%	6	16	13	35	\$38,485
31-1132	Orderlies	1.2%	5	27	24	56	\$34,175
29-1221	Pediatricians, General	0.5%	1	2	2	5	\$189,040
29-1051	Pharmacists	0.4%	4	16	17	37	\$131,555
29-2052	Pharmacy Technicians	1.2%	16	37	58	111	\$35,208
31-9097	Phlebotomists	2.5%	13	22	38	73	\$40,519
31-2022	Physical Therapist Aides	2.5%	4	8	14	26	\$29,125
31-2021	Physical Therapist Assistants	3.6%	10	13	23	46	NA
29-1123	Physical Therapists	2.3%	24	22	23	69	\$97,260
29-1071	Physician Assistants	3.4%	18	8	21	47	\$112,019
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	1.0%	16	25	18	59	\$219,939
29-1081	Podiatrists	0.9%	1	3	4	8	NA
31-1133	Psychiatric Aides	2.2%	4	12	10	26	\$32,829
29-2053	Psychiatric Technicians	2.6%	8	8	13	29	\$32,783
29-1223	Psychiatrists	1.7%	2	2	2	6	NA
29-1124	Radiation Therapists	1.5%	1	1	2	4	\$98,905
29-2034	Radiologic Technologists	1.3%	10	20	32	62	\$63,724
29-1125	Recreational Therapists	1.5%	2	4	5	11	\$48,156
29-1141	Registered Nurses	1.4%	169	334	315	818	\$74,330
29-1126	Respiratory Therapists	2.7%	15	12	14	41	\$68,240
29-1127	Speech-Language Pathologists	2.5%	22	20	32	74	\$84,842

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
29-1248	Surgeons, Except Ophthalmologists	0.5%	1	2	2	5	\$266,018
29-2055	Surgical Technologists	1.4%	4	8	13	25	\$52,001
29-1131	Veterinarians	1.3%	4	4	4	12	\$112,540
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	0.9%	2	11	24	37	\$29,594
29-2056	Veterinary Technologists and Technicians	1.1%	5	12	19	36	\$34,569
Hospitality and Tourism							
39-3091	Amusement and Recreation Attendants	2.9%	46	158	181	385	\$23,602
39-2011	Animal Trainers	2.0%	2	5	7	14	\$40,786
39-6011	Baggage Porters and Bellhops	1.5%	1	2	3	6	\$28,656
51-3011	Bakers	1.4%	3	11	15	29	\$30,549
35-3011	Bartenders	2.8%	63	102	274	439	\$27,763
35-1011	Chefs and Head Cooks	2.9%	14	15	50	79	\$57,878
39-6012	Concierges	1.6%	1	2	3	6	\$28,288
35-2011	Cooks, Fast Food	0.2%	2	68	100	170	\$23,747
35-2012	Cooks, Institution and Cafeteria	0.2%	7	158	229	394	\$36,245
35-2014	Cooks, Restaurant	4.4%	153	212	309	674	\$29,880
35-2015	Cooks, Short Order	1.7%	3	12	17	32	\$23,114
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	2.6%	37	124	125	286	\$22,321
35-9021	Dishwashers	2.1%	29	107	119	255	\$23,711
35-3023	Fast Food and Counter Workers	1.7%	206	1,176	1,282	2,664	\$22,497
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	2.1%	68	146	333	547	\$43,459
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	0.9%	9	46	73	128	\$48,963
35-9099	Food Preparation and Serving Related Workers, All Other	2.0%	2	6	6	14	\$26,223
35-2021	Food Preparation Workers	1.1%	37	271	318	626	\$25,275
35-3041	Food Servers, Nonrestaurant	1.8%	17	76	75	168	\$25,527
11-9051	Food Service Managers	2.3%	17	23	60	100	\$77,849
41-2012	Gaming Change Persons and Booth Cashiers	1.5%	0	3	3	6	\$28,561
11-9071	Gaming Managers	1.3%	0	0	1	1	\$109,970
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	2.6%	41	187	178	406	\$22,095
43-4081	Hotel, Motel, and Resort Desk Clerks	0.7%	3	26	47	76	\$25,943
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	0.4%	40	564	634	1,238	\$30,086
11-9081	Lodging Managers	1.2%	1	3	6	10	\$75,446
37-2012	Maids and Housekeeping Cleaners	0.6%	11	121	115	247	\$25,240
39-9032	Recreation Workers	2.1%	16	46	74	136	\$29,822
39-7010	Tour and Travel Guides	0.6%	1	12	18	31	\$27,535

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
41-3041	Travel Agents	0.5%	1	6	9	16	\$50,040
35-3031	Waiters and Waitresses	2.1%	136	471	766	1,373	\$26,789
Human Services							
21-1021	Child, Family, and School Social Workers	1.3%	19	40	89	148	\$40,392
39-9011	Childcare Workers	1.9%	19	68	71	158	\$23,431
19-3031	Clinical, Counseling, and School Psychologists	0.8%	5	17	25	47	\$80,026
21-1099	Community and Social Service Specialists, All Other	1.0%	7	24	49	80	\$42,558
21-1094	Community Health Workers	1.6%	4	8	17	29	\$37,283
13-2071	Credit Counselors	0.7%	1	2	6	9	\$49,311
39-9031	Fitness Trainers and Aerobics Instructors	4.0%	51	77	125	253	\$35,904
39-4021	Funeral Attendants	0.0%	0	7	9	16	\$37,652
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2.3%	55	127	134	316	\$35,656
21-1091	Health Educators	1.2%	3	8	16	27	\$68,773
21-1022	Healthcare Social Workers	1.2%	8	19	42	69	\$52,954
51-6011	Laundry and Dry-Cleaning Workers	0.7%	5	41	42	88	\$25,177
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	1.2%	0	2	3	5	\$23,296
21-1023	Mental Health and Substance Abuse Social Workers	1.2%	5	11	25	41	\$51,714
51-6021	Pressers, Textile, Garment, and Related Materials	-1.4%	0	1	1	2	\$24,693
21-1015	Rehabilitation Counselors	1.3%	5	13	24	42	\$36,177
39-5093	Shampooers	2.4%	6	14	14	34	\$21,929
39-5094	Skincare Specialists	3.0%	3	6	6	15	NA
11-9151	Social and Community Service Managers	1.0%	10	28	51	89	\$69,746
21-1093	Social and Human Service Assistants	1.3%	13	41	77	131	\$35,919
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	3.0%	20	23	42	85	\$48,563
51-6052	Tailors, Dressmakers, and Custom Sewers	0.7%	1	7	4	12	\$29,250
Information Technology							
15-1241	Computer Network Architects	0.0%	0	8	26	34	\$127,338
15-1231	Computer Network Support Specialists	0.5%	2	9	24	35	\$66,111
51-9162	Computer Numerically Controlled Tool Programmers	1.9%	0	1	2	3	\$55,939
15-1251	Computer Programmers	-1.3%	-10	14	33	37	\$90,932
15-1211	Computer Systems Analysts	0.3%	7	46	117	170	\$97,151
15-1232	Computer User Support Specialists	0.7%	11	32	92	135	\$61,870
15-1245	Database Administrators and Architects	0.9%	8	21	44	73	\$96,514
15-1212	Information Security Analysts	2.4%	19	13	46	78	\$115,415
15-1244	Network and Computer Systems Administrators	0.2%	2	19	53	74	\$81,250
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	1.9%	124	153	324	601	\$115,578
15-1257	Web Developers and Digital Interface Designers	1.3%	5	10	20	35	\$79,365

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
Law, Public Safety, Corrections, and Security							
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	0.0%	0	2	2	4	\$65,714
33-3011	Bailiffs	-0.3%	0	4	5	9	\$34,451
27-3092	Court Reporters and Simultaneous Captioners	0.6%	0	3	4	7	\$60,583
33-9091	Crossing Guards	1.8%	8	67	24	99	\$31,443
33-2021	Fire Inspectors and Investigators	0.4%	0	5	5	10	\$56,706
33-2011	Firefighters	1.7%	8	10	25	43	\$46,966
33-1012	First-Line Supervisors of Police and Detectives	1.0%	4	8	15	27	\$107,889
19-4092	Forensic Science Technicians	0.7%	0	1	2	3	\$51,927
23-1023	Judges, Magistrate Judges, and Magistrates	0.2%	0	2	3	5	\$123,244
23-1011	Lawyers	0.9%	29	67	76	172	NA
43-6012	Legal Secretaries	-2.6%	-26	50	55	79	\$50,355
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	3.8%	13	48	39	100	\$24,857
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	0.9%	4	14	23	41	\$44,961
23-2011	Paralegals and Legal Assistants	0.9%	16	67	117	200	\$51,871
33-3041	Parking Enforcement Workers	-3.7%	-1	2	2	3	\$42,611
33-3051	Police and Sheriff's Patrol Officers	1.0%	18	43	87	148	\$77,007
43-5031	Police, Fire, and Ambulance Dispatchers	1.6%	4	9	14	27	\$45,989
33-9021	Private Detectives and Investigators	0.2%	1	9	20	30	\$68,619
33-9098	School Bus Monitors and Protective Service Workers, All Other	1.2%	7	74	60	141	\$30,265
33-9032	Security Guards	1.1%	36	170	248	454	\$30,493
Manufacturing							
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
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

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
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
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	-0.8%	0	2	4	6	\$31,288
51-9198	Helpers—Production Workers	0.2%	0	14	28	42	\$29,595
49-9031	Home Appliance Repairers	0.8%	1	3	5	9	\$42,847
17-3026	Industrial Engineering Technicians	-0.2%	0	1	3	4	\$62,367
49-9041	Industrial Machinery Mechanics	1.6%	16	31	54	101	\$60,777
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-1.2%	-10	30	63	83	\$46,831
49-9099	Installation, Maintenance, and Repair Workers, All Other	0.8%	2	10	18	30	\$38,484
49-9094	Locksmiths and Safe Repairers	-0.3%	0	1	2	3	\$49,657
53-7063	Machine Feeders and Offbearers	0.2%	0	10	12	22	\$31,800
51-4041	Machinists	0.6%	2	10	21	33	\$57,848
49-9071	Maintenance and Repair Workers, General	0.5%	17	117	194	328	\$42,328
49-9043	Maintenance Workers, Machinery	1.3%	1	3	5	9	\$52,354
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	0.4%	20	203	370	593	\$28,725
17-3013	Mechanical Drafters	-0.9%	-2	7	14	19	\$55,895
17-3027	Mechanical Engineering Technicians	0.0%	0	1	2	3	\$55,643
49-9062	Medical Equipment Repairers	0.7%	1	7	10	18	NA
51-2090	Miscellaneous Assemblers and Fabricators	-1.0%	-13	50	94	131	\$34,833
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	0.1%	0	10	22	32	\$43,523
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	2.8%	2	3	5	10	\$37,350
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	0.3%	0	3	6	9	\$35,978

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	0.7%	2	10	15	27	\$42,833
51-9111	Packaging and Filling Machine Operators and Tenders	0.2%	2	40	64	106	\$33,621
51-8012	Power Distributors and Dispatchers	-0.5%	0	2	4	6	\$95,900
49-9069	Precision Instrument and Equipment Repairers, All Other	0.6%	1	7	10	18	\$64,360
51-9199	Production Workers, All Other	-0.5%	0	3	6	9	NA
43-5061	Production, Planning, and Expediting Clerks	0.6%	3	20	37	60	\$54,833
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	0.6%	0	2	4	6	\$48,244
49-2098	Security and Fire Alarm Systems Installers	2.1%	4	5	16	25	\$56,585
51-9141	Semiconductor Processors	0.0%	0	0	0	0	NA
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	0.7%	0	1	4	5	\$37,059
51-6031	Sewing Machine Operators	-0.2%	0	6	5	11	\$31,525
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	1.3%	2	6	9	17	\$38,851
51-4121	Welders, Cutters, Solderers, and Brazers	1.3%	8	17	51	76	\$55,292
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1.3%	0	1	2	3	\$35,025
Marketing, Sales, and Service							
41-3011	Advertising Sales Agents	-0.9%	-2	7	22	27	\$70,803
41-2011	Cashiers	-0.7%	-88	1,072	1,207	2,191	\$24,283
41-2021	Counter and Rental Clerks	1.0%	10	48	73	131	\$34,368
41-1012	First-Line Supervisors of Non-Retail Sales Workers	0.3%	2	25	51	78	\$92,527
41-1011	First-Line Supervisors of Retail Sales Workers	0.4%	17	151	296	464	\$50,675
13-1161	Market Research Analysts and Marketing Specialists	1.7%	44	60	186	290	\$89,244
11-2021	Marketing Managers	0.7%	8	22	71	101	\$164,939
27-1026	Merchandise Displayers and Window Trimmers	0.7%	5	23	44	72	\$29,272
41-2022	Parts Salespersons	0.7%	6	34	63	103	\$36,492
11-9141	Property, Real Estate, and Community Association Managers	0.2%	2	34	34	70	\$61,931
27-3031	Public Relations Specialists	0.5%	5	27	70	102	\$65,318
41-9021	Real Estate Brokers	1.1%	0	2	2	4	\$76,229
41-9022	Real Estate Sales Agents	1.3%	14	45	48	107	\$49,488
41-2031	Retail Salespersons	0.9%	106	654	967	1,727	\$28,590
41-9031	Sales Engineers	0.3%	0	1	3	4	\$122,667
11-2022	Sales Managers	0.7%	7	21	65	93	\$166,172
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	1.2%	36	77	269	382	\$71,097

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	0.4%	14	96	218	328	\$67,274
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	0.5%	6	32	74	112	\$107,413
Science, Technology, Engineering, and Mathematics							
11-9041	Architectural and Engineering Managers	0.0%	0	7	20	27	\$158,564
19-1021	Biochemists and Biophysicists	0.2%	1	6	26	33	NA
19-1029	Biological Scientists, All Other	0.3%	0	1	3	4	\$95,433
17-2041	Chemical Engineers	0.1%	0	7	13	20	\$131,627
19-2031	Chemists	-0.1%	-2	16	78	92	\$110,460
19-1031	Conservation Scientists	0.4%	0	2	7	9	\$57,497
19-3011	Economists	0.9%	0	0	1	1	\$78,261
17-2071	Electrical Engineers	0.4%	2	11	19	32	\$111,944
19-4042	Environmental Science and Protection Technicians, Including Health	0.7%	1	5	16	22	\$38,034
19-2041	Environmental Scientists and Specialists, Including Health	0.4%	1	5	25	31	\$60,340
19-4071	Forest and Conservation Technicians	0.0%	0	0	2	2	\$32,277
19-3092	Geographers	0.0%	0	0	1	1	\$68,281
19-2042	Geoscientists, Except Hydrologists and Geographers	0.3%	0	2	9	11	\$83,600
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	0.0%	0	2	3	5	\$107,829
19-2043	Hydrologists	0.0%	0	0	2	2	\$68,328
17-2112	Industrial Engineers	0.6%	4	14	25	43	\$97,964
17-2131	Materials Engineers	0.7%	0	0	1	1	\$91,642
19-2032	Materials Scientists	0.1%	0	1	5	6	\$101,026
17-2141	Mechanical Engineers	0.2%	1	10	24	35	\$106,039
19-1022	Microbiologists	0.0%	0	1	6	7	\$67,450
19-2012	Physicists	1.0%	0	1	2	3	\$132,888
19-4061	Social Science Research Assistants	0.3%	0	2	6	8	\$60,673
19-3099	Social Scientists and Related Workers, All Other	-0.5%	0	1	4	5	\$70,259
15-2041	Statisticians	2.5%	3	3	7	13	\$98,081
19-3022	Survey Researchers	-0.3%	0	2	5	7	NA
Transportation, Distribution, and Logistics							
49-3011	Aircraft Mechanics and Service Technicians	0.4%	1	11	20	32	\$68,840
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	1.5%	2	4	7	13	\$30,449
53-6031	Automotive and Watercraft Service Attendants	1.3%	2	6	11	19	\$27,212
49-3021	Automotive Body and Related Repairers	0.3%	1	13	24	38	\$45,481
49-3023	Automotive Service Technicians and Mechanics	0.1%	2	58	133	193	\$47,190

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Annual Growth Rate	Annual Growth	Annual Exits	Annual Transfers	Annual Total Openings	2020 Average Wage
49-2091	Avionics Technicians	0.3%	0	2	3	5	\$67,888
43-3021	Billing and Posting Clerks	0.3%	6	70	104	180	\$45,235
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	0.8%	5	17	38	60	\$47,400
53-3052	Bus Drivers, Transit and Intercity	0.8%	3	27	21	51	\$46,778
53-5021	Captains, Mates, and Pilots of Water Vessels	0.3%	0	2	6	8	\$68,890
43-5011	Cargo and Freight Agents	0.4%	0	5	8	13	\$36,505
53-7061	Cleaners of Vehicles and Equipment	0.6%	7	51	92	150	\$29,577
53-2012	Commercial Pilots	0.4%	1	11	21	33	\$106,509
43-5021	Couriers and Messengers	-0.2%	-1	22	29	50	\$29,954
43-5032	Dispatchers, Except Police, Fire, and Ambulance	0.3%	2	22	35	59	\$41,832
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	-5.3%	-2	1	2	1	\$47,127
53-3032	Heavy and Tractor-Trailer Truck Drivers	0.9%	44	206	342	592	\$47,970
53-7051	Industrial Truck and Tractor Operators	1.5%	66	138	353	557	\$41,329
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	0.8%	38	202	402	642	\$31,262
53-3033	Light Truck or Delivery Services Drivers	1.2%	40	141	233	414	\$38,662
13-1081	Logisticians	2.3%	16	15	46	77	\$93,678
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1.1%	5	14	32	51	\$56,168
49-3051	Motorboat Mechanics and Service Technicians	2.2%	2	5	7	14	\$41,855
53-7064	Packers and Packagers, Hand	0.4%	13	180	255	448	\$27,989
53-6021	Parking Lot Attendants	1.3%	4	16	33	53	\$24,730
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	2.4%	66	188	142	396	\$36,522
53-5011	Sailors and Marine Oilers	0.7%	0	1	3	4	\$49,214
53-7065	Stockers and Order Fillers	1.3%	91	403	691	1,185	\$27,287
53-7121	Tank Car, Truck, and Ship Loaders	0.0%	0	0	0	0	NA
49-3093	Tire Repairers and Changers	0.9%	2	6	16	24	\$26,078
11-3071	Transportation, Storage, and Distribution Managers	0.7%	2	6	18	26	\$137,459

Industry Projections

Delaware is projected to add 42,030 jobs over the 2020-2030 projection period. The average annual job growth for Delaware during the ten-year projection period is expected to be 0.9 percent per year. This is more than the rate that the US Bureau of Labor Statistics (BLS) is projecting for the nation at 0.7 percent per year. Delaware Goods Producing industries are projected to add 3,310 jobs, while the majority of new jobs are expected in the Service Providing sector with 35,030. Self Employed and Unpaid Family Workers are expected to add 3,690 new jobs.

Agriculture, Forestry, Fishing and Hunting is expected to lose 230 jobs over the next ten years, while **Mining** is projected to lose 20 jobs. **Mining** is projected to be the fastest shrinking sector in percent terms, however, this a very small industry sector. Together, these two industry sectors make up the Natural Resources and Mining supersector.

The **Construction** supersector is expected to add 3,280 jobs over the decade with an average annual growth rate of 1.4 percent. This supersector is projected to have the fourth most in terms of additional jobs. The projected job growth is being driven by job increases in the *Specialty Trade Contractors* and *Construction of Buildings* subsectors.

The **Manufacturing** supersector is estimated to increase over the projection period by 280 jobs. *Plastics and Rubber Products Manufacturing* and *Fabricated Metal Product Manufacturing* are estimated to see the largest gains in Manufacturing, while the biggest losses are estimated to come from *Machinery Manufacturing* and *Transportation Equipment 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 130 jobs over the 2020-2030 projection period. **Retail Trade** is estimated to gain 1,320 jobs over the projection period. **Retail Trade** jobs increases are projected in such areas as *Motor Vehicle and Parts Dealers* and *Clothing and Clothing Accessories Stores*, while the losses are projected in *Gasoline Stations* and *Miscellaneous Store Retailers*. **Transportation and Warehousing** is expected to gain 2,290 net jobs over the projection period, an annual average increase of 1.2 percent. These gains are driven by *Warehousing and Storage* and *Transit and Ground Passenger Transportation*. **Utilities** is estimated to decline 10 jobs over the

projection period.

Information is estimated to lose 410 jobs over the decade, and with an annual average decline of 1.2 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.

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 890 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 10 net new jobs created.



In the Professional & Business Services supersector, **Professional, Scientific, and Technical Services** is expected to gain 1,540 jobs, **Management of Companies and Enterprises** to remain unchanged, and **Administrative and Support and Waste Management and Remediation Services** to add 2,120 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 730 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 ten-year period. The 14,920 net new jobs will represent over one third of all projected jobs to be created.

In the Leisure and Hospitality supersector, **Arts,**

Entertainment, and Recreation is projected to add 2,230 jobs over the decade and to be the fastest growing sector with an annual average growth rate of 2.6 percent. **Accommodation and Food Services** is second in terms of projected job gains with 8,270 new jobs over the decade; and with a projected annual average growth rate of 2.2 percent, the second fastest growing industry sector in terms of percent growth.

Other Services, Except Public Administration is expected to add 800 jobs over the projection period with an average annual growth rate of 0.4 percent. Projected job gains in **Other Services, Except Public Administration** is being driven mainly by *Personal and Laundry Services*.

Government is estimated to add 200 jobs over the 10-year projection period. *Local government, Excluding Education and Hospitals* is expected to add 900 jobs, while *State Government, Excluding Education and Hospitals* is expected to lose 400 jobs. *Federal Government, Excluding Postal Service* is expected to lose 300 jobs.

Projected Net Job Growth by Industry Sector, 2030

Industry Sector	Net Job Growth
Health Care and Social Assistance	14,920
Accommodation and Food Services	8,270
Self Employed Workers	3,690
Construction	3,280
Transportation and Warehousing	2,250
Arts, Entertainment, and Recreation	2,230
Administrative and Waste Services	2,120
Professional and Technical Services	1,540
Retail Trade	1,320
Finance and Insurance	890
Other Services, Except Public Administration	800
Educational Services	730
Manufacturing	280
Government	240
Wholesale Trade	130
Real Estate and Rental and Leasing	10
Management of Companies and Enterprises	0
Utilities	-10
Mining	-20
Agriculture, Forestry, and Fishing	-230
Information	-410

Projected Annual Rate of Growth by Industry Sector, 2020–2030

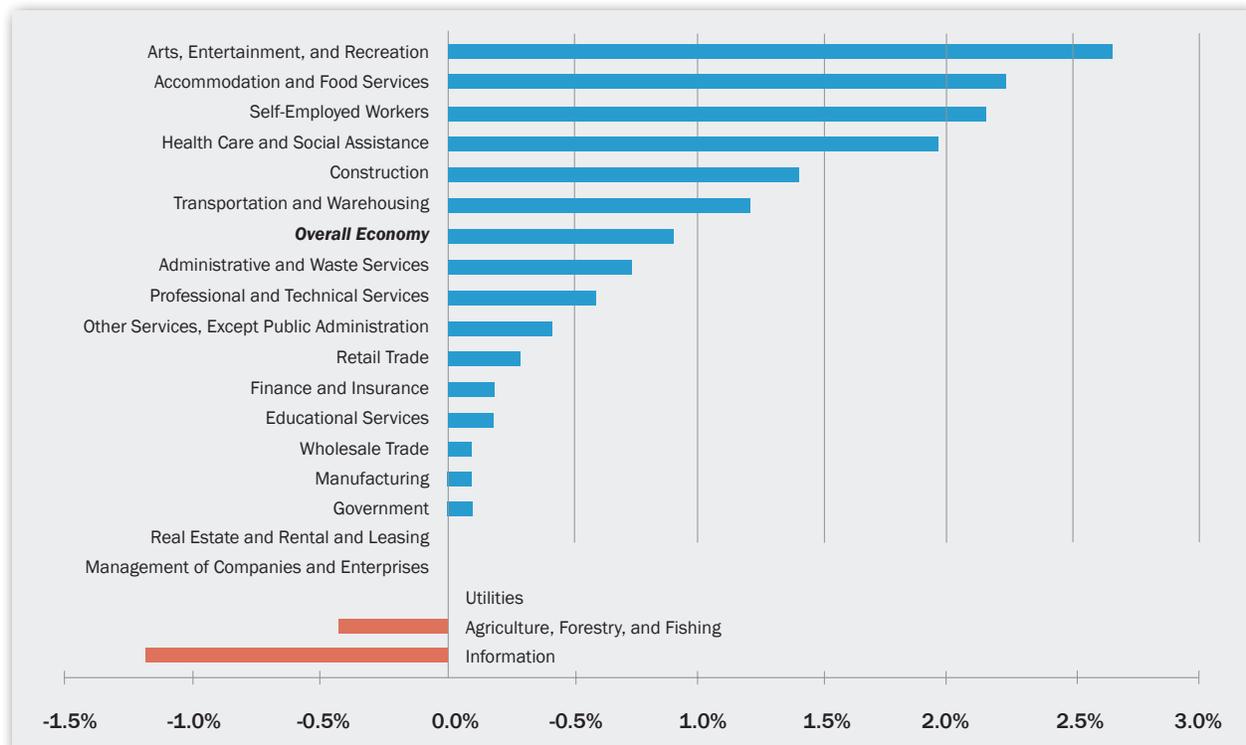


Table 3: Industry Projections

NAICS	Industry	2020 Est. Empl.	2030 Proj. Empl.	2020-2030 Change	2020-2030 Annual Growth
	Total Employment, All Jobs	461,710	503,740	42,030	0.9%
	Self-Employed Workers	15,710	19,400	3,690	2.1%
11	Agriculture, Forestry, Fishing	5,510	5,280	-230	-0.4%
111	Crop production	3,360	3,300	-60	-0.2%
112	Animal production	1,320	1,220	-100	-0.8%
115	Support activities for agriculture and forestry	830	760	-70	-0.9%
21	Mining	70	50	-20	-3.3%
22	Utilities	2,060	2,050	-10	0.0%
23	Construction	22,410	25,690	3,280	1.4%
236	Construction of buildings	5,230	6,500	1,270	2.2%
237	Heavy and civil engineering construction	2,640	3,140	500	1.7%
238	Specialty trade contractors	14,540	16,050	1,510	1.0%
31-33	Manufacturing	25,510	25,790	280	0.1%
311	Food manufacturing	9,400	9,510	110	0.1%
312	Beverage and tobacco product manufacturing	440	540	100	2.1%
314	Textile product mills	80	80	0	0.0%
321	Wood product manufacturing	300	330	30	1.0%
323	Printing and related support activities	390	410	20	0.5%
324	Petroleum and coal products manufacturing	700	610	-90	-1.4%
325	Chemical manufacturing	2,540	2,520	-20	-0.1%
326	Plastics and rubber products manufacturing	1,340	1,550	210	1.5%
327	Nonmetallic mineral product manufacturing	660	720	60	0.9%
331	Primary metal manufacturing	190	250	60	2.8%
332	Fabricated metal product manufacturing	1,280	1,420	140	1.0%
333	Machinery manufacturing	1,110	930	-180	-1.8%
334	Computer and electronic product manufacturing	2,670	2,730	60	0.2%
335	Electrical equipment and appliance manufacturing	780	740	-40	-0.5%
336	Transportation equipment manufacturing	560	450	-110	-2.2%
337	Furniture and related product manufacturing	690	700	10	0.1%
339	Miscellaneous manufacturing	1,030	1,080	50	0.5%
42	Wholesale Trade	10,840	10,970	130	0.1%
423	Merchant wholesalers, durable goods	5,880	5,660	-220	-0.4%
424	Merchant wholesalers, nondurable goods	3,850	4,040	190	0.5%
425	Electronic markets and agents and brokers	1,110	1,270	160	1.4%

NAICS	Industry	2020 Est. Empl.	2030 Proj. Empl.	2020-2030 Change	2020-2030 Annual Growth
44-45	Retail Trade	47,870	49,190	1,320	0.3%
441	Motor vehicle and parts dealers	6,390	7,130	740	1.1%
442	Furniture and home furnishings stores	1,820	1,790	-30	-0.2%
443	Electronics and appliance stores	1,590	1,800	210	1.2%
444	Building material and garden supply stores	4,830	4,810	-20	0.0%
445	Food and beverage stores	10,110	10,140	30	0.0%
446	Health and personal care stores	3,420	3,560	140	0.4%
447	Gasoline stations	2,900	2,530	-370	-1.4%
448	Clothing and clothing accessories stores	3,930	4,610	680	1.6%
451	Sporting goods, hobby, book and music stores	1,460	1,560	100	0.7%
452	General merchandise stores	8,000	8,000	0	0.0%
453	Miscellaneous store retailers	2,240	2,020	-220	-1.0%
454	Nonstore retailers	1,180	1,240	60	0.5%
48-49	Transportation and Warehousing	18,850	21,140	2,290	1.2%
481	Air transportation	170	180	10	0.6%
482	Rail transportation	1,270	1,300	30	0.2%
483	Water transportation	40	40	0	0.0%
484	Truck transportation	2,530	2,660	130	0.5%
485	Transit and ground passenger transportation	1,640	2,030	390	2.2%
488	Support activities for transportation	2,260	2,360	100	0.4%
491	Postal service	1,970	2,010	40	0.2%
492	Couriers and messengers	2,890	3,270	380	1.2%
493	Warehousing and storage	6,030	7,240	1,210	1.8%
51	Information	3,630	3,220	-410	-1.2%
511	Publishing industries, except Internet	730	600	-130	-1.9%
512	Motion picture and sound recording industries	230	320	90	3.4%
515	Broadcasting, except Internet	150	140	-10	-0.7%
517	Telecommunications	1,800	1,500	-300	-1.8%
518	Data processing, hosting and related services	460	400	-60	-1.4%
519	Other information services	260	260	0	0.0%
52	Finance and Insurance	41,870	42,760	890	0.2%
522	Credit intermediation and related activities	28,400	27,900	-500	-0.2%
523	Securities, commodity contracts, investments	7,760	8,720	960	1.2%
524	Insurance carriers and related activities	5,680	6,120	440	0.7%
525	Funds, trusts, and other financial vehicles	30	20	-10	-4.0%

Industry Projections

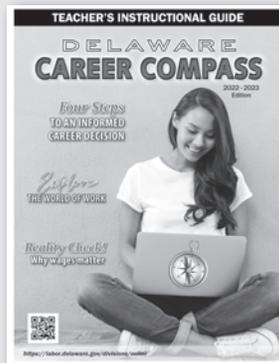
NAICS	Industry	2020 Est. Empl.	2030 Proj. Empl.	2020-2030 Change	2020-2030 Annual Growth
53	Real Estate and Rental and Leasing	5,500	5,510	10	0.0%
531	Real estate	4,410	4,150	-260	-0.6%
532	Rental and leasing services	1,090	1,360	270	2.2%
54	Professional and Technical Services	25,360	26,900	1,540	0.6%
55	Management of Companies and Enterprises	8,430	8,430	0	0.0%
56	Administrative and Waste Services	28,060	30,180	2,120	0.7%
561	Administrative and support services	26,590	28,400	1,810	0.7%
562	Waste management and remediation services	1,470	1,780	310	1.9%
61	Educational Services	43,240	43,970	730	0.2%
62	Health Care and Social Assistance	70,150	85,070	14,920	1.9%
621	Ambulatory health care services	20,260	24,520	4,260	1.9%
622	Hospitals	25,560	29,530	3,970	1.5%
623	Nursing and residential care facilities	11,660	13,930	2,270	1.8%
624	Social assistance	12,670	17,090	4,420	3.0%
71	Arts, Entertainment, and Recreation	7,510	9,740	2,230	2.6%
711	Performing arts and spectator sports	470	330	-140	-3.5%
712	Museums, historical sites, zoos, and parks	720	710	-10	-0.1%
713	Amusements, gambling, and recreation	6,320	8,700	2,380	3.2%
72	Accommodation and Food Services	33,790	42,060	8,270	2.2%
721	Accommodation	3,410	3,930	520	1.4%
722	Food services and drinking places	30,380	38,130	7,750	2.3%
81	Other Services, Except Public Administration	17,750	18,550	800	0.4%
811	Repair and maintenance	3,270	3,290	20	0.1%
812	Personal and laundry services	4,240	5,100	860	1.9%
813	Membership associations and organizations	9,840	9,880	40	0.0%
814	Private households	400	280	-120	-3.5%
	Government	27,590	27,790	200	0.1%
	Federal government, excluding postal service	4,050	3,750	-300	-0.8%
	State government, excluding education and hospitals	17,770	17,370	-400	-0.2%
	Local government, excluding education and hospitals	5,770	6,670	900	1.5%

Access our publications online

All OOLMI publications can be viewed or downloaded at the following website:
<https://labor.delaware.gov/divisions/ooolmi/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.



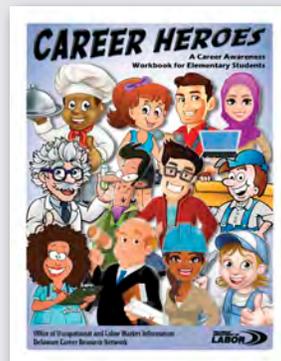
The Teacher's Guide is a companion to the Delaware Career Compass and is designed to supplement and enhance the use of the Compass in the classroom.



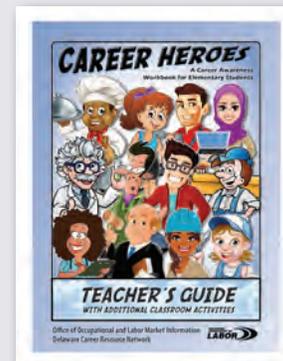
The Delaware Annual Economic Report is a comprehensive look at the state's economy and workforce.



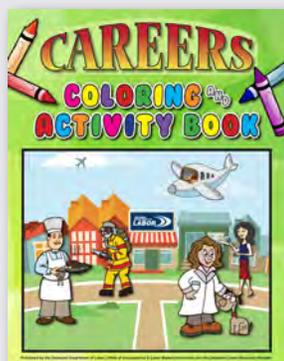
The estimates in this publication were derived from the Occupational Employment & Wage Statistics (OEWS) survey. This valuable tool is made possible by the hundreds of Delaware employers who responded to the survey. Data are published only if there are enough responses to ensure both quality and confidentiality.



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.

DELAWARE 2030

OCCUPATION & INDUSTRY PROJECTIONS



Delaware Department of Labor

Office of Occupational & Labor Market Information

19 West Lea Boulevard

Wilmington, Delaware 19802

<https://labor.delaware.gov/divisions/oelmi>