

Delaware 2022

Occupation & Industry Projections



Office of Occupational & Labor
Market Information
Delaware Department of Labor
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Introduction

Every two years, the federal Bureau of Labor Statistics 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 2012 to 2022. It supersedes the last such set of projections, which were generated for the 2010-2020 period and published in July, 2012.

Delaware is projected to have 40,900 more jobs in 2022 than in 2012, for an average annual growth rate of 0.90 percent. *Health Care and Social Assistance* is expected to create far and away the greatest number of jobs, with projected growth of 9,980 jobs. Nearly one-quarter of the net new jobs in Delaware are projected to be in this industry. Already the state's biggest industry in terms of employment, it will be even more dominant by 2022.

Some of the projected job growth comes from the cyclical nature of the economy. Delaware's economy hit bottom early in 2010. The base year of 2012 is a point three years into a relatively slow expansion. Historically, this would be about midway, or a little less, to the next peak. The projection year of 2022 is assumed to be at full

employment, that being the default expectation for any year that far into the future, so a portion of the projected job growth, about 10,000 jobs, comes from the movement from less than full employment in 2012 to assumed full employment in 2022. This is explained in a little more detail in the final section of this publication.



Occupation Projections by Occupational Group

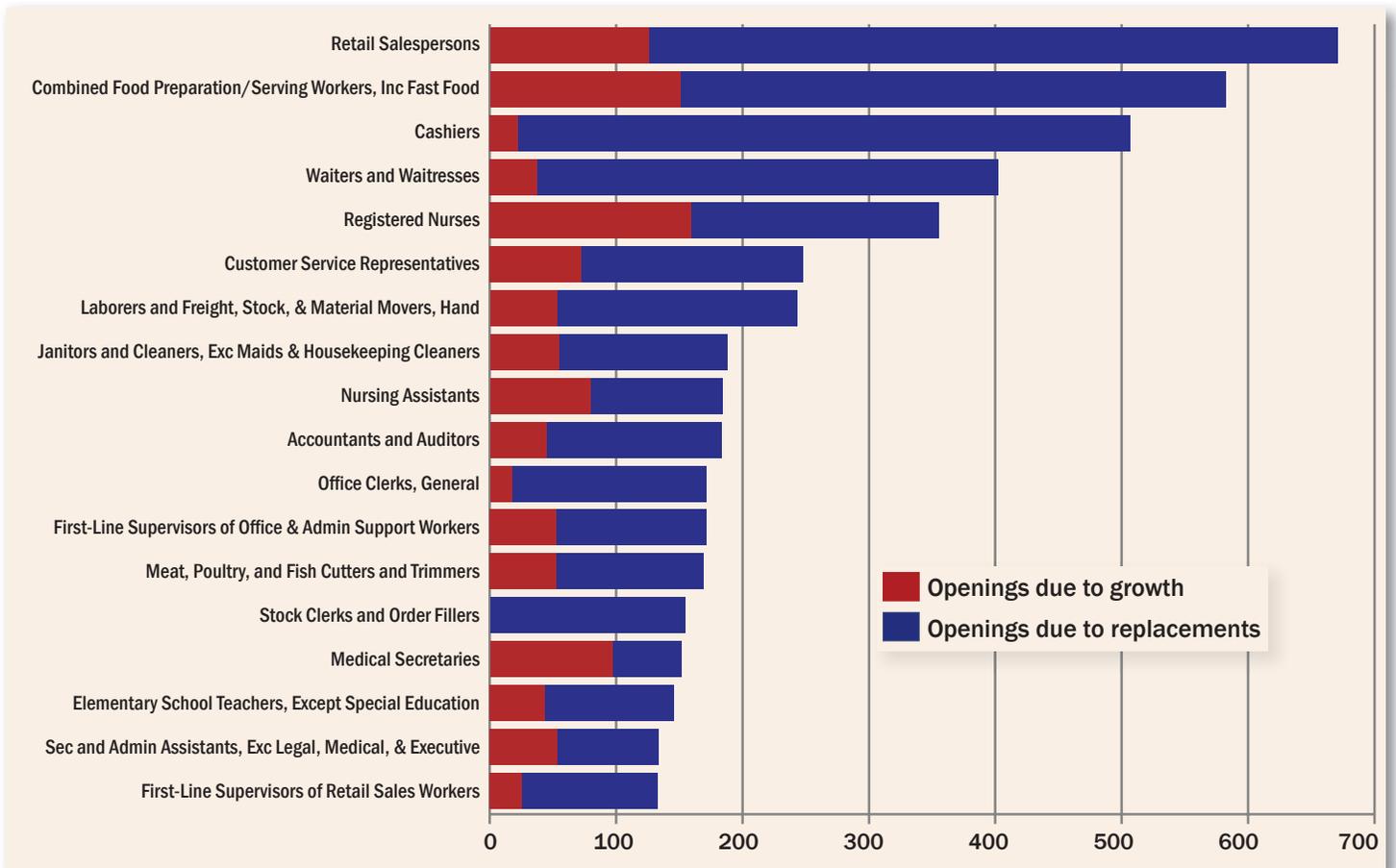
In this section, we present job projections and associated data for 531 specific occupations in Delaware, listed by major occupational group. The data elements provided for each occupation are: the Standard Occupational Classification (SOC) code, an estimate of the total number of filled jobs in the state in 2012, the projection of total filled jobs in 2022, the wage category, job availability, and usual education, 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 openings due to net replacement, and the 2012 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.

Occupations With the Most Annual Openings, 2012-2022



For ease of comparison, this first section presents occupational wages by wage categories. To create the categories, we divided the 508 occupations for which we have wage estimates (there are 23 occupations which are either not covered by wage surveys, or whose wage estimates did not pass validity screening) into quintiles. There are 101 occupations in the Low and Below Average categories, and 102 occupations in each of the three higher categories. These categories are based on the 2012 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 each of these occupations, including estimates for entry- and experienced level wages, can be obtained by contacting our office.

The lowest-paying 101 occupations (Low) paid below \$29,650 per year. The next lowest-paying 101 occupations, those in the Below Average category (-Avg), had average wages between \$29,650 and \$38,300 per year. The middle category, Average (Avg) paid from \$38,301 to \$51,200. The second highest-paying category, Above Average (+Avg), had average wages from \$51,201 to \$68,000, while the 102 highest-paying occupations (High) had average annual wages exceeding \$68,000.

The placement of occupations into job availability categories is based on the expected annual openings solely due to growth. An occupation with no expected growth would still be expected to generate openings due to replacement of those who leave employment, but overall job availability would still be considered poor compared to occupations with openings due to both growth and replacement. It is through actual expansion of employment

Wage Categories

Wage Category	Abbreviation	2012 Average Annual Wage
Low	Low	Below \$29,650
Below Average	-Avg	\$29,651 to \$38,300
Average	Avg	\$38,301 to \$51,200
Above Average	+Avg	\$51,201 to \$68,000
High	High	Above \$68,000

within an occupation that potential entrants will find the most opportunity.

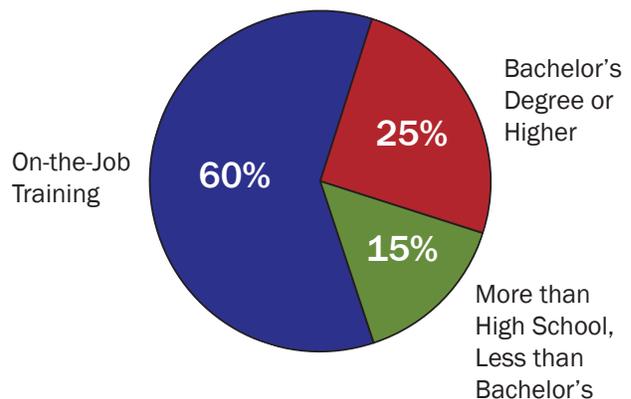
There are four categories of job availability: Poor, with no openings due to growth projected; Fair, with from 1 to 3 annual openings due to growth projected; Good, with from 4 to 9 such openings; and Excellent (Excl), with 10 or more annual openings due to growth projected. There are 102 occupations with Excellent job availability, 104 in the Good category, 152 with Fair job availability prospects, and 173 in the Poor category.

Job Availability Categories

Category	Annual Openings Due to Growth	Number of Occupations in each Category
Poor	0	173
Fair	1 to 3	152
Good	4 to 9	104
Excellent (Excl)	10 or more	102

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 less than high school (<HS), 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 four possible values: none, less than one year (<1), from one to five years (1-5), and over five years (5+). The on-the-job training field has six possible measures for the typical amount of training required to be considered

New Jobs Created by Level of Education, 2012-2022



competent in the occupation. These range from none, short-term on-the-job training of one month or less (STOJT), moderate-term on-the-job training of from one month to one year (MOJT), long-term on-the-job training of over one year (LTOJT), and apprenticeship (App) through internship or residency (Int/res). Those interested in further details on the education, experience, and training requirements should go to: www.bls.gov/emp/ep_education_tech.htm

Projected Openings and Growth by Education Level, 2012–2022

Education	Total Openings 2012–2022	Percent of Total Openings	New Jobs	Annual Percent Growth	2013 Unemployment Rate
Ph.D./Professional	3,170	2.3%	950	0.8%	3.2%*
Master's	2,690	1.9%	1,040	1.3%	3.2%*
Bachelor's	25,020	17.9%	8,400	1.0%	3.2%*
Associate's	7,340	5.2%	3,090	1.4%	6.0%
Vocational Education	8,070	5.8%	3,210	1.3%	Not Available
High School Graduate	46,450	33.2%	14,300	0.8%	6.9%
Less than HS	47,280	33.8%	10,070	0.8%	10.6%

*Unemployment rate is for Bachelor's degree or higher

Wages by Level of Education, 2012

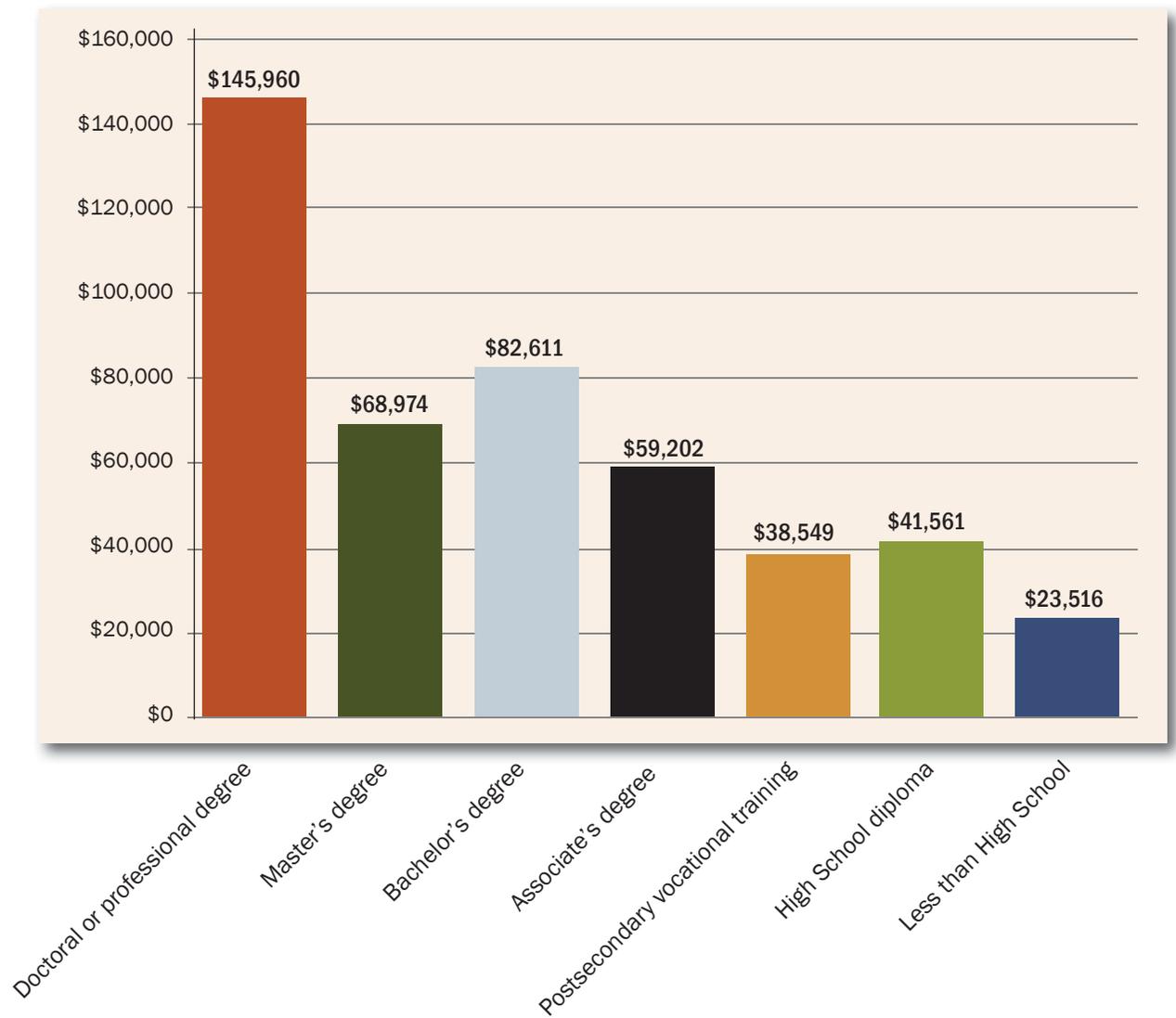


Table 1: Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
11-0000 Management Occupations								
11-2011	Advertising and Promotions Managers	74	59	High	Poor	Bach	1-5	None
11-2021	Marketing Managers	813	802	High	Poor	Bach	5+	None
11-2022	Sales Managers	771	787	High	Fair	Bach	1-5	None
11-2031	Public Relations and Fundraising Managers	202	208	High	Fair	Bach	5+	None
11-3011	Administrative Services Managers	594	642	High	Good	Bach	1-5	None
11-3021	Computer and Information Systems Managers	1,425	1,537	High	Excl	Bach	5+	None
11-3031	Financial Managers	2,285	2,443	High	Excl	Bach	5+	None
11-3051	Industrial Production Managers	327	332	High	Poor	Bach	5+	None
11-3061	Purchasing Managers	100	99	High	Poor	Bach	5+	None
11-3071	Transportation, Storage, and Distribution Managers	317	322	High	Poor	HS	5+	None
11-3111	Compensation and Benefits Managers	78	73	High	Poor	Bach	5+	None
11-3121	Human Resources Managers	297	315	High	Fair	Bach	5+	None
11-3131	Training and Development Managers	121	121	High	Poor	Bach	5+	None
11-9013	Farmers, Ranchers, and Other Agricultural Managers	3,066	2,393	NA	Poor	HS	5+	None
11-9021	Construction Managers	863	1,061	High	Excl	Bach	0	MOJT
11-9031	Education Administrators, Preschool and Childcare Center/Program	210	231	Avg	Fair	Bach	1-5	None
11-9032	Education Administrators, Elementary and Secondary School	701	720	High	Fair	Mast	5+	None
11-9033	Education Administrators, Postsecondary	238	266	High	Fair	Mast	5+	None
11-9039	Education Administrators, All Other	69	75	High	Fair	Bach	1-5	None
11-9041	Architectural and Engineering Managers	396	413	High	Fair	Bach	5+	None
11-9051	Food Service Managers	417	432	High	Fair	HS	1-5	None
11-9061	Funeral Service Managers	12	14	High	Poor	Assoc	1-5	None
11-9071	Gaming Managers	20	21	High	Poor	HS	1-5	None
11-9081	Lodging Managers	83	86	High	Poor	HS	1-5	None
11-9111	Medical and Health Services Managers	772	907	High	Excl	Bach	0	None
11-9121	Natural Sciences Managers	589	546	High	Poor	Bach	5+	None
11-9131	Postmasters and Mail Superintendents	48	46	High	Poor	HS	1-5	MOJT
11-9141	Property, Real Estate, and Community Association Managers	854	1,003	+Avg	Excl	HS	1-5	None
11-9151	Social and Community Service Managers	731	826	+Avg	Excl	Bach	5+	None
11-9199	Managers, All Other	1,784	1,964	High	Excl	HS	1-5	None
11-1011	Chief Executives	535	552	High	Fair	Bach	5+	None
11-1021	General and Operations Managers	4,127	4,484	High	Excl	Bach	1-5	None
13-0000 Business and Financial Operations Occupations								
13-1022	Wholesale and Retail Buyers, Except Farm Products	243	274	+Avg	Fair	HS	0	LTOJT

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	722	735	High	Fair	HS	0	LTOJT
13-1031	Claims Adjusters, Examiners, and Investigators	742	807	+Avg	Good	HS	0	LTOJT
13-1041	Compliance Officers	1,143	1,210	High	Good	Bach	0	MOJT
13-1051	Cost Estimators	987	1,246	+Avg	Excl	Bach	0	None
13-1071	Human Resources Specialists	1,442	1,512	+Avg	Good	Bach	0	None
13-1075	Labor Relations Specialists	598	602	+Avg	Poor	Bach	0	None
13-1111	Management Analysts	2,461	2,758	High	Excl	Bach	1-5	None
13-1121	Meeting, Convention, and Event Planners	242	325	Avg	Good	Bach	0	None
13-1131	Fundraisers	554	639	+Avg	Good	Bach	0	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	243	255	+Avg	Fair	Bach	0	None
13-1151	Training and Development Specialists	921	1,069	+Avg	Excl	Bach	1-5	None
13-1161	Market Research Analysts and Marketing Specialists	1,883	2,370	High	Excl	Bach	0	None
13-1199	Business Operations Specialists, All Other	1,235	1,346	+Avg	Excl	HS	0	None
13-2011	Accountants and Auditors	4,673	5,125	High	Excl	Bach	0	None
13-2021	Appraisers and Assessors of Real Estate	176	189	Avg	Fair	Bach	0	LTOJT
13-2031	Budget Analysts	162	182	+Avg	Fair	Bach	0	None
13-2041	Credit Analysts	927	1,078	High	Excl	Bach	0	None
13-2051	Financial Analysts	2,370	2,702	High	Excl	Bach	0	None
13-2052	Personal Financial Advisors	1,207	1,501	High	Excl	Bach	0	None
13-2053	Insurance Underwriters	322	312	+Avg	Poor	Bach	0	MOJT
13-2061	Financial Examiners	216	241	High	Fair	Bach	0	MOJT
13-2071	Credit Counselors	123	146	Avg	Fair	Bach	0	MOJT
13-2072	Loan Officers	945	1,062	+Avg	Excl	Bach	0	MOJT
13-2081	Tax Examiners and Collectors, and Revenue Agents	127	133	+Avg	Fair	Bach	0	MOJT
13-2082	Tax Preparers	175	189	-Avg	Fair	HS	0	MOJT
13-2099	Financial Specialists, All Other	776	858	High	Good	Bach	0	MOJT
15-0000 Computer and Mathematical Occupations								
15-1111	Computer and Information Research Scientists	97	108	High	Fair	PhD/prof	0	None
15-1121	Computer Systems Analysts	2,824	3,453	High	Excl	Bach	0	None
15-1122	Information Security Analysts	474	596	High	Excl	Bach	1-5	None
15-1131	Computer Programmers	1,584	1,653	High	Good	Bach	0	None
15-1132	Software Developers, Applications	2,396	2,827	High	Excl	Bach	0	None
15-1133	Software Developers, Systems Software	1,189	1,339	High	Excl	Bach	0	None
15-1134	Web Developers	351	415	High	Good	Assoc	0	None
15-1141	Database Administrators	449	489	High	Good	Bach	1-5	None
15-1142	Network and Computer Systems Administrators	999	1,100	High	Excl	Bach	0	None
15-1143	Computer Network Architects	512	565	High	Good	Bach	5+	None
15-1151	Computer User Support Specialists	1,808	2,131	+Avg	Excl	HS	0	MOJT
15-1152	Computer Network Support Specialists	571	641	+Avg	Good	Assoc	0	None
15-1199	Computer Occupations, All Other	221	242	High	Fair	Bach	0	None

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
15-2011	Actuaries	61	67	NA	Fair	Bach	0	LTOJT
15-2031	Operations Research Analysts	412	528	High	Excl	Bach	0	None
15-2041	Statisticians	95	114	High	Fair	Mast	0	None
15-2099	Mathematical Science Occupations, All Other	9	9	NA	Poor	Bach	0	None
17-0000 Architecture and Engineering Occupations								
17-1011	Architects, Except Landscape and Naval	136	158	High	Fair	Bach	0	Int/res
17-1021	Cartographers and Photogrammetrists	15	19	+Avg	Poor	Bach	0	None
17-1022	Surveyors	119	121	High	Poor	Bach	1-5	None
17-2081	Environmental Engineers	166	183	High	Fair	Bach	0	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	41	46	High	Poor	Bach	0	None
17-2112	Industrial Engineers	587	636	High	Good	Bach	0	None
17-2141	Mechanical Engineers	741	804	High	Good	Bach	0	None
17-2199	Engineers, All Other	44	46	High	Poor	Bach	0	None
17-3011	Architectural and Civil Drafters	256	247	Avg	Poor	Assoc	0	None
17-3012	Electrical and Electronics Drafters	194	219	+Avg	Fair	Assoc	0	None
17-3013	Mechanical Drafters	182	192	+Avg	Fair	Assoc	0	None
17-3022	Civil Engineering Technicians	357	344	Avg	Poor	Assoc	0	None
17-3023	Electrical and Electronics Engineering Technicians	222	245	+Avg	Fair	Assoc	0	None
17-3025	Environmental Engineering Technicians	36	42	Avg	Fair	Assoc	0	None
17-3026	Industrial Engineering Technicians	221	246	+Avg	Fair	Assoc	0	None
17-3027	Mechanical Engineering Technicians	125	140	Avg	Fair	Assoc	0	None
17-3031	Surveying and Mapping Technicians	141	156	Avg	Fair	HS	0	MOJT
19-0000 Life, Physical, and Social Science Occupations								
19-1012	Food Scientists and Technologists	35	37	High	Poor	Bach	0	None
19-1013	Soil and Plant Scientists	72	83	+Avg	Fair	Bach	0	None
19-1021	Biochemists and Biophysicists	242	284	High	Good	PhD/prof	0	None
19-1022	Microbiologists	167	180	+Avg	Fair	Bach	0	None
19-1029	Biological Scientists, All Other	21	22	High	Poor	Bach	0	None
19-1031	Conservation Scientists	62	65	Avg	Poor	Bach	0	None
19-1042	Medical Scientists, Except Epidemiologists	489	422	NA	Poor	PhD/prof	0	None
19-2031	Chemists	3,265	3,518	High	Excl	Bach	0	None
19-2032	Materials Scientists	104	115	High	Fair	Bach	0	None
19-2041	Environmental Scientists and Specialists, Including Health	391	448	+Avg	Good	Bach	0	None
19-2042	Geoscientists, Except Hydrologists and Geographers	71	83	High	Fair	Bach	0	None
19-2043	Hydrologists	24	27	+Avg	Poor	Mast	0	None
19-3022	Survey Researchers	69	73	NA	Poor	Mast	0	None
19-3031	Clinical, Counseling, and School Psychologists	464	496	High	Fair	PhD/prof	0	Int/res
19-3051	Urban and Regional Planners	199	214	+Avg	Fair	Mast	0	None
19-4021	Biological Technicians	289	315	Avg	Fair	Bach	0	None

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
19-4031	Chemical Technicians	830	948	+Avg	Excl	Assoc	0	MOJT
19-4061	Social Science Research Assistants	30	33	-Avg	Poor	Assoc	0	None
19-4091	Environmental Science and Protection Technicians, Including Health	186	218	-Avg	Fair	Assoc	0	None
19-4092	Forensic Science Technicians	25	27	Avg	Poor	Bach	0	MOJT
21-0000 Community and Social Service Occupations								
21-1011	Substance Abuse and Behavioral Disorder Counselors	330	411	-Avg	Good	HS	0	MOJT
21-1012	Educational, Guidance, School, and Vocational Counselors	909	995	+Avg	Good	Mast	0	None
21-1013	Marriage and Family Therapists	230	251	Avg	Fair	Mast	0	Int/res
21-1014	Mental Health Counselors	509	611	-Avg	Excl	Mast	0	Int/res
21-1015	Rehabilitation Counselors	530	600	-Avg	Good	Mast	0	None
21-1019	Counselors, All Other	55	66	-Avg	Fair	Mast	0	None
21-1021	Child, Family, and School Social Workers	908	989	Avg	Good	Bach	0	None
21-1022	Healthcare Social Workers	529	614	Avg	Good	Mast	0	None
21-1023	Mental Health and Substance Abuse Social Workers	412	467	Avg	Good	Bach	0	None
21-1029	Social Workers, All Other	92	99	+Avg	Fair	Bach	0	None
21-1091	Health Educators	157	182	+Avg	Fair	Bach	0	None
21-1092	Probation Officers and Correctional Treatment Specialists	435	436	Avg	Poor	Bach	0	STOJT
21-1093	Social and Human Service Assistants	751	847	Low	Excl	HS	0	STOJT
21-1094	Community Health Workers	254	297	-Avg	Good	HS	0	STOJT
21-1099	Community and Social Service Specialists, All Other	367	418	-Avg	Good	Mast	0	None
23-0000 Legal Occupations								
23-1011	Lawyers	3,403	3,697	High	Excl	PhD/prof	0	None
23-1012	Judicial Law Clerks	106	113	Avg	Fair	PhD/prof	0	None
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	72	75	+Avg	Poor	PhD/prof	1-5	STOJT
23-1022	Arbitrators, Mediators, and Conciliators	46	48	Avg	Poor	Bach	1-5	MOJT
23-1023	Judges, Magistrate Judges, and Magistrates	128	137	High	Fair	PhD/prof	5+	STOJT
23-2011	Paralegals and Legal Assistants	1,381	1,539	+Avg	Excl	Assoc	0	None
23-2091	Court Reporters	52	56	+Avg	Poor	Assoc	0	STOJT
23-2099	Legal Support Workers, All Other	210	226	+Avg	Fair	HS	0	STOJT
25-0000 Education, Training, and Library Occupations								
25-1072	Nursing Instructors and Teachers, Postsecondary	230	304	High	Good	Mast	1-5	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	311	349	NA	Good	Mast	0	None
25-1194	Vocational Education Teachers, Postsecondary	263	282	Avg	Fair	Bach	1-5	None
25-1199	Postsecondary Teachers, All Other	122	133	NA	Fair	PhD/prof	0	None
25-2011	Preschool Teachers, Except Special Education	2,310	2,540	Low	Excl	Assoc	0	None
25-2012	Kindergarten Teachers, Except Special Education	461	500	+Avg	Good	Bach	0	Int/res

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
25-2021	Elementary School Teachers, Except Special Education	4,635	5,064	+Avg	Excl	Bach	0	Int/res
25-2022	Middle School Teachers, Except Special and Career/Technical Education	1,998	2,180	+Avg	Excl	Bach	0	Int/res
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	2,886	2,972	+Avg	Good	Bach	0	Int/res
25-2051	Special Education Teachers, Preschool	4	5	NA	Poor	Bach	0	Int/res
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,336	1,362	+Avg	Fair	Bach	0	Int/res
25-2053	Special Education Teachers, Middle School	117	119	+Avg	Poor	Bach	0	Int/res
25-2054	Special Education Teachers, Secondary School	245	249	+Avg	Poor	Bach	0	Int/res
25-2059	Special Education Teachers, All Other	73	83	+Avg	Fair	Bach	0	Int/res
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	304	322	+Avg	Fair	Bach	0	Int/res
25-3021	Self-Enrichment Education Teachers	588	662	Avg	Good	HS	1-5	None
25-3098	Substitute Teachers	989	1,126	Low	Excl	Bach	0	Int/res
25-3099	Teachers and Instructors, All Other	707	749	Avg	Good	Bach	0	Int/res
25-4011	Archivists	39	44	Avg	Poor	Mast	0	None
25-4012	Curators	50	53	+Avg	Poor	Mast	0	None
25-4013	Museum Technicians and Conservators	69	72	-Avg	Poor	Bach	0	None
25-4021	Librarians	483	509	+Avg	Fair	Mast	0	None
25-4031	Library Technicians	221	241	-Avg	Fair	VocEd	0	None
25-9031	Instructional Coordinators	578	634	+Avg	Good	Mast	5+	None
25-9041	Teacher Assistants	3,240	3,400	-Avg	Excl	HS	0	None
25-9099	Education, Training, and Library Workers, All Other	113	117	Avg	Poor	Bach	0	None
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations								
27-1011	Art Directors	72	78	High	Fair	Bach	5+	None
27-1021	Commercial and Industrial Designers	30	29	+Avg	Poor	Bach	0	None
27-1023	Floral Designers	205	196	Low	Poor	HS	0	MOJT
27-1024	Graphic Designers	416	443	Avg	Fair	Bach	0	None
27-1025	Interior Designers	190	215	NA	Fair	Bach	0	None
27-1026	Merchandise Displayers and Window Trimmers	305	327	Low	Fair	HS	0	MOJT
27-2022	Coaches and Scouts	748	837	-Avg	Good	Bach	0	None
27-2023	Umpires, Referees, and Other Sports Officials	217	242	Low	Fair	HS	0	MOJT
27-2041	Music Directors and Composers	40	37	High	Poor	Bach	1-5	None
27-3011	Radio and Television Announcers	158	185	Avg	Fair	Bach	0	None
27-3022	Reporters and Correspondents	70	58	NA	Poor	Bach	0	None
27-3031	Public Relations Specialists	708	777	+Avg	Good	Bach	0	None
27-3041	Editors	212	217	+Avg	Poor	Bach	1-5	None
27-3042	Technical Writers	138	159	+Avg	Fair	Bach	1-5	STOJT
27-3043	Writers and Authors	117	132	+Avg	Fair	Bach	0	MOJT
27-3091	Interpreters and Translators	21	27	Avg	Fair	Bach	0	STOJT

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
27-4011	Audio and Video Equipment Technicians	111	128	Avg	Fair	VocEd	0	STOJT
27-4012	Broadcast Technicians	15	17	-Avg	Poor	Assoc	0	STOJT
27-4014	Sound Engineering Technicians	12	13	Avg	Poor	VocEd	0	STOJT
27-4021	Photographers	266	278	Low	Fair	HS	0	LTOJT
27-4032	Film and Video Editors	22	23	+Avg	Poor	Bach	0	None
29-0000 Healthcare Practitioners and Technical Occupations								
29-1011	Chiropractors	129	129	High	Poor	PhD/prof	0	None
29-1021	Dentists, General	326	333	High	Fair	PhD/prof	0	None
29-1031	Dietitians and Nutritionists	157	187	+Avg	Fair	Bach	0	Int/res
29-1041	Optometrists	148	159	High	Fair	PhD/prof	0	None
29-1051	Pharmacists	646	743	High	Excl	PhD/prof	0	None
29-1061	Anesthesiologists	78	89	High	Fair	PhD/prof	0	Int/res
29-1062	Family and General Practitioners	610	619	High	Fair	PhD/prof	0	Int/res
29-1064	Obstetricians and Gynecologists	110	115	High	Poor	PhD/prof	0	Int/res
29-1065	Pediatricians, General	263	272	High	Fair	PhD/prof	0	Int/res
29-1066	Psychiatrists	88	93	High	Poor	PhD/prof	0	Int/res
29-1067	Surgeons	248	274	NA	Fair	PhD/prof	0	Int/res
29-1069	Physicians and Surgeons, All Other	1,524	1,705	High	Excl	PhD/prof	0	Int/res
29-1071	Physician Assistants	340	424	High	Good	Mast	0	None
29-1081	Podiatrists	80	91	High	Fair	PhD/prof	0	Int/res
29-1122	Occupational Therapists	262	314	High	Good	Mast	0	None
29-1123	Physical Therapists	578	719	High	Excl	PhD/prof	0	None
29-1125	Recreational Therapists	61	67	Avg	Fair	Bach	0	None
29-1126	Respiratory Therapists	407	480	+Avg	Good	Assoc	0	None
29-1127	Speech-Language Pathologists	498	570	High	Good	Mast	0	None
29-1129	Therapists, All Other	16	23	NA	Fair	Bach	0	None
29-1131	Veterinarians	302	332	High	Fair	PhD/prof	0	None
29-1141	Registered Nurses	10,098	11,684	High	Excl	Assoc	0	None
29-1151	Nurse Anesthetists	95	107	High	Fair	Mast	0	None
29-1161	Nurse Midwives	42	49	+Avg	Fair	Mast	0	None
29-1171	Nurse Practitioners	486	586	High	Excl	Mast	0	None
29-1181	Audiologists	63	77	High	Fair	PhD/prof	0	None
29-1199	Health Diagnosing and Treating Practitioners, All Other	27	35	High	Fair	Mast	0	None
29-2011	Medical and Clinical Laboratory Technologists	435	475	+Avg	Good	Bach	0	None
29-2012	Medical and Clinical Laboratory Technicians	391	479	Avg	Good	Assoc	0	None
29-2021	Dental Hygienists	625	711	High	Good	Assoc	0	None
29-2031	Cardiovascular Technologists and Technicians	279	353	+Avg	Good	Assoc	0	None
29-2032	Diagnostic Medical Sonographers	123	169	+Avg	Good	Assoc	0	None
29-2033	Nuclear Medicine Technologists	91	104	High	Fair	Assoc	0	None
29-2034	Radiologic Technologists	486	558	+Avg	Good	Assoc	0	None

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
29-2035	Magnetic Resonance Imaging Technologists	307	355	High	Good	Assoc	1-5	None
29-2041	Emergency Medical Technicians and Paramedics	1,211	1,334	-Avg	Excl	VocEd	0	None
29-2051	Dietetic Technicians	125	140	Low	Fair	Assoc	0	None
29-2052	Pharmacy Technicians	840	1,004	Low	Excl	HS	0	MOJT
29-2055	Surgical Technologists	280	354	Avg	Good	VocEd	0	None
29-2056	Veterinary Technologists and Technicians	359	441	-Avg	Good	Assoc	0	None
29-2057	Ophthalmic Medical Technicians	420	466	-Avg	Good	VocEd	0	None
29-2061	Licensed Practical and Licensed Vocational Nurses	2,184	2,604	Avg	Excl	VocEd	0	None
29-2071	Medical Records and Health Information Technicians	471	542	-Avg	Good	VocEd	0	None
29-2081	Opticians, Dispensing	330	385	-Avg	Good	HS	0	LTOJT
29-2092	Hearing Aid Specialists	7	8	NA	Poor	HS	0	None
29-2099	Health Technologists and Technicians, All Other	254	314	-Avg	Good	HS	0	None
29-9011	Occupational Health and Safety Specialists	401	434	+Avg	Fair	Bach	0	STOJT
29-9012	Occupational Health and Safety Technicians	14	17	+Avg	Poor	HS	0	MOJT
29-9091	Athletic Trainers	122	150	-Avg	Fair	Bach	0	None
29-9092	Genetic Counselors	12	16	+Avg	Poor	Mast	0	None
29-9099	Healthcare Practitioners and Technical Workers, All Other	50	55	+Avg	Poor	Bach	0	None
31-0000 Healthcare Support Occupations								
31-1011	Home Health Aides	2,350	3,130	Low	Excl	< HS	0	STOJT
31-1014	Nursing Assistants	5,454	6,259	Low	Excl	VocEd	0	None
31-1015	Orderlies	257	291	Low	Fair	HS	0	STOJT
31-2011	Occupational Therapy Assistants	77	99	+Avg	Fair	Assoc	0	None
31-2021	Physical Therapist Assistants	163	206	+Avg	Good	Assoc	0	None
31-2022	Physical Therapist Aides	281	360	Low	Good	HS	0	STOJT
31-9011	Massage Therapists	82	108	+Avg	Fair	VocEd	0	None
31-9091	Dental Assistants	843	900	-Avg	Good	VocEd	0	None
31-9092	Medical Assistants	1,825	2,063	-Avg	Excl	VocEd	0	None
31-9093	Medical Equipment Preparers	169	196	-Avg	Fair	HS	0	MOJT
31-9094	Medical Transcriptionists	144	138	Avg	Poor	VocEd	0	None
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	227	231	-Avg	Poor	HS	0	STOJT
31-9097	Phlebotomists	230	266	-Avg	Good	VocEd	0	None
31-9099	Healthcare Support Workers, All Other	83	92	Avg	Fair	HS	0	None
33-0000 Protective Service Occupations								
33-1011	First-Line Supervisors of Correctional Officers	223	236	Avg	Fair	HS	1-5	MOJT
33-1099	First-Line Supervisors of Protective Service Workers, All Other	383	411	Avg	Fair	HS	1-5	None
33-2011	Firefighters	326	351	Avg	Fair	VocEd	0	LTOJT
33-2021	Fire Inspectors and Investigators	85	95	Avg	Fair	HS	5+	MOJT
33-3011	Bailiffs	57	60	Low	Poor	HS	0	MOJT

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
33-3012	Correctional Officers and Jailers	1,771	1,870	-Avg	Excl	HS	0	MOJT
33-3031	Fish and Game Wardens	55	58	Avg	Poor	HS	0	STOJT
33-9011	Animal Control Workers	118	138	-Avg	Fair	HS	0	MOJT
33-9021	Private Detectives and Investigators	37	40	+Avg	Poor	HS	1-5	MOJT
33-9031	Gaming Surveillance Officers and Gaming Investigators	86	89	-Avg	Poor	HS	0	STOJT
33-9032	Security Guards	3,469	3,680	Low	Excl	HS	0	STOJT
33-9091	Crossing Guards	343	369	Low	Fair	HS	0	STOJT
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	639	699	Low	Good	HS	0	STOJT
33-9099	Protective Service Workers, All Other	562	614	-Avg	Good	HS	0	STOJT
35-0000 Food Preparation and Serving-Related Occupations								
35-1011	Chefs and Head Cooks	281	298	+Avg	Fair	HS	5+	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	3,095	3,480	-Avg	Excl	HS	1-5	None
35-2011	Cooks, Fast Food	640	634	Low	Poor	< HS	0	STOJT
35-2012	Cooks, Institution and Cafeteria	2,509	2,671	Low	Excl	< HS	0	STOJT
35-2014	Cooks, Restaurant	3,783	4,316	Low	Excl	< HS	1-5	MOJT
35-2015	Cooks, Short Order	312	312	Low	Poor	< HS	0	STOJT
35-2021	Food Preparation Workers	1,640	1,717	Low	Good	< HS	0	STOJT
35-3011	Bartenders	2,019	2,262	Low	Excl	< HS	0	STOJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	11,280	12,777	Low	Excl	< HS	0	STOJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	917	925	Low	Fair	< HS	0	STOJT
35-3031	Waiters and Waitresses	7,566	7,951	Low	Excl	< HS	0	STOJT
35-3041	Food Servers, Nonrestaurant	552	614	Low	Good	< HS	0	STOJT
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,096	1,177	Low	Good	< HS	0	STOJT
35-9021	Dishwashers	1,839	1,924	Low	Good	< HS	0	STOJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,605	1,679	Low	Good	< HS	0	None
35-9099	Food Preparation and Serving Related Workers, All Other	187	202	Low	Fair	< HS	0	STOJT
37-0000 Building and Grounds Cleaning and Maintenance Occupations								
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	682	755	Avg	Good	HS	1-5	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	451	514	+Avg	Good	HS	1-5	None
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	7,052	7,600	Low	Excl	< HS	0	STOJT
37-2012	Maids and Housekeeping Cleaners	2,913	3,249	Low	Excl	< HS	0	STOJT
37-2019	Building Cleaning Workers, All Other	99	107	NA	Fair	< HS	0	STOJT
37-2021	Pest Control Workers	183	203	-Avg	Fair	HS	0	MOJT

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
37-3011	Landscaping and Groundskeeping Workers	3,546	3,883	Low	Excl	< HS	0	STOJT
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	25	25	-Avg	Poor	HS	0	MOJT
37-3013	Tree Trimmers and Pruners	18	18	Avg	Poor	HS	0	STOJT
37-3019	Grounds Maintenance Workers, All Other	31	32	Avg	Poor	< HS	0	STOJT
39-0000 Personal Care and Service Occupations								
39-1012	Slot Supervisors	77	80	-Avg	Poor	HS	1-5	None
39-1021	First-Line Supervisors of Personal Service Workers	998	1,111	Avg	Excl	HS	1-5	None
39-2011	Animal Trainers	118	139	Avg	Fair	HS	0	MOJT
39-2021	Nonfarm Animal Caretakers	1,039	1,211	Low	Excl	< HS	0	STOJT
39-3012	Gaming and Sports Book Writers and Runners	98	102	Low	Poor	HS	0	STOJT
39-3021	Motion Picture Projectionists	20	16	Low	Poor	< HS	0	STOJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	222	205	Low	Poor	< HS	0	STOJT
39-3091	Amusement and Recreation Attendants	898	989	Low	Good	< HS	0	STOJT
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	51	53	Low	Poor	HS	0	STOJT
39-4021	Funeral Attendants	163	167	Low	Poor	HS	0	STOJT
39-4031	Morticians, Undertakers, and Funeral Directors	95	106	+Avg	Fair	Assoc	0	LTOJT
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,357	2,755	Low	Excl	VocEd	0	None
39-5092	Manicurists and Pedicurists	318	385	Low	Good	VocEd	0	None
39-5093	Shampooers	238	241	Low	Poor	< HS	0	STOJT
39-5094	Skincare Specialists	26	39	Low	Fair	VocEd	0	None
39-6011	Baggage Porters and Bellhops	17	18	Low	Poor	HS	0	STOJT
39-6012	Concierges	17	21	Low	Poor	HS	0	MOJT
39-7011	Tour Guides and Escorts	438	470	Low	Fair	HS	0	MOJT
39-9021	Personal Care Aides	838	1,169	Low	Excl	< HS	0	STOJT
39-9031	Fitness Trainers and Aerobics Instructors	1,743	1,927	Low	Excl	HS	0	STOJT
39-9032	Recreation Workers	871	1,003	Low	Excl	Bach	0	None
39-9041	Residential Advisors	357	408	Low	Good	HS	0	STOJT
39-9099	Personal Care and Service Workers, All Other	118	132	Low	Fair	HS	0	STOJT
41-0000 Sales and Related Occupations								
41-1011	First-Line Supervisors of Retail Sales Workers	4,927	5,174	Avg	Excl	HS	1-5	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	876	888	High	Fair	HS	1-5	None
41-2011	Cashiers	11,184	11,409	Low	Excl	< HS	0	STOJT
41-2021	Counter and Rental Clerks	1,147	1,206	-Avg	Good	< HS	0	STOJT
41-2022	Parts Salespersons	832	887	-Avg	Good	< HS	0	MOJT
41-2031	Retail Salespersons	15,930	17,179	Low	Excl	< HS	0	STOJT
41-3011	Advertising Sales Agents	298	296	+Avg	Poor	HS	0	MOJT
41-3021	Insurance Sales Agents	1,300	1,526	+Avg	Excl	HS	0	MOJT
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,323	1,445	High	Excl	Bach	0	MOJT

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
41-3041	Travel Agents	158	126	-Avg	Poor	HS	0	MOJT
41-3099	Sales Representatives, Services, All Other	2,307	2,659	+Avg	Excl	HS	0	STOJT
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1,133	1,108	High	Poor	Bach	0	MOJT
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,630	4,010	+Avg	Excl	HS	0	MOJT
41-9011	Demonstrators and Product Promoters	206	237	-Avg	Fair	HS	0	STOJT
41-9022	Real Estate Sales Agents	1,234	1,523	+Avg	Excl	HS	0	LTOJT
41-9041	Telemarketers	304	330	-Avg	Fair	< HS	0	STOJT
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	200	146	Low	Poor	HS	0	STOJT
41-9099	Sales and Related Workers, All Other	314	337	-Avg	Fair	HS	0	None
43-0000 Office and Administrative Support Occupations								
43-1011	First-Line Supervisors of Office and Administrative Support Workers	4,995	5,522	+Avg	Excl	HS	1-5	None
43-2011	Switchboard Operators, Including Answering Service	232	196	Low	Poor	HS	0	STOJT
43-2021	Telephone Operators	53	52	-Avg	Poor	HS	0	STOJT
43-3011	Bill and Account Collectors	1,089	1,203	-Avg	Excl	HS	0	MOJT
43-3021	Billing and Posting Clerks	2,116	2,370	-Avg	Excl	HS	0	STOJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	6,209	6,832	-Avg	Excl	HS	0	MOJT
43-3041	Gaming Cage Workers	119	123	Low	Poor	HS	0	STOJT
43-3051	Payroll and Timekeeping Clerks	491	549	Avg	Good	HS	0	MOJT
43-3061	Procurement Clerks	162	171	-Avg	Fair	HS	0	MOJT
43-3071	Tellers	2,188	2,316	Low	Excl	HS	0	STOJT
43-3099	Financial Clerks, All Other	212	237	Avg	Fair	HS	0	STOJT
43-4011	Brokerage Clerks	99	96	Avg	Poor	HS	0	MOJT
43-4021	Correspondence Clerks	111	124	-Avg	Fair	HS	0	STOJT
43-4031	Court, Municipal, and License Clerks	853	947	-Avg	Good	HS	0	MOJT
43-4041	Credit Authorizers, Checkers, and Clerks	1,156	1,144	-Avg	Poor	HS	0	STOJT
43-4051	Customer Service Representatives	6,440	7,156	-Avg	Excl	HS	0	STOJT
43-4061	Eligibility Interviewers, Government Programs	110	127	-Avg	Fair	HS	0	MOJT
43-4071	File Clerks	681	622	Low	Poor	HS	0	STOJT
43-4081	Hotel, Motel, and Resort Desk Clerks	649	718	Low	Good	HS	0	STOJT
43-4111	Interviewers, Except Eligibility and Loan	558	575	-Avg	Fair	HS	0	STOJT
43-4121	Library Assistants, Clerical	362	416	Low	Good	HS	0	STOJT
43-4131	Loan Interviewers and Clerks	1,207	1,375	-Avg	Excl	HS	0	STOJT
43-4141	New Accounts Clerks	193	190	Avg	Poor	HS	0	MOJT
43-4151	Order Clerks	455	432	-Avg	Poor	HS	0	STOJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	368	360	-Avg	Poor	HS	0	STOJT
43-4171	Receptionists and Information Clerks	2,432	2,496	Low	Good	HS	0	STOJT

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	88	82	NA	Poor	HS	0	STOJT
43-4199	Information and Record Clerks, All Other	239	228	Avg	Poor	HS	0	STOJT
43-5011	Cargo and Freight Agents	30	31	Avg	Poor	HS	0	STOJT
43-5021	Couriers and Messengers	289	251	Low	Poor	HS	0	STOJT
43-5031	Police, Fire, and Ambulance Dispatchers	219	229	Avg	Fair	HS	0	MOJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	590	646	-Avg	Good	HS	0	MOJT
43-5041	Meter Readers, Utilities	92	69	Avg	Poor	HS	0	STOJT
43-5051	Postal Service Clerks	222	191	Avg	Poor	HS	0	STOJT
43-5052	Postal Service Mail Carriers	921	850	+Avg	Poor	HS	0	STOJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	383	339	+Avg	Poor	HS	0	STOJT
43-5061	Production, Planning, and Expediting Clerks	699	742	Avg	Good	HS	0	MOJT
43-5071	Shipping, Receiving, and Traffic Clerks	2,020	2,138	-Avg	Excl	HS	0	STOJT
43-5081	Stock Clerks and Order Fillers	5,113	4,955	Low	Poor	< HS	0	STOJT
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	207	230	Low	Fair	HS	0	STOJT
43-6011	Executive Secretaries and Executive Administrative Assistants	1,464	1,386	+Avg	Poor	HS	1-5	None
43-6012	Legal Secretaries	1,219	1,120	Avg	Poor	HS	0	MOJT
43-6013	Medical Secretaries	4,447	5,420	-Avg	Excl	HS	0	MOJT
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	6,602	7,129	-Avg	Excl	HS	0	STOJT
43-9021	Data Entry Keyers	824	604	-Avg	Poor	HS	0	MOJT
43-9022	Word Processors and Typists	131	101	Avg	Poor	HS	0	STOJT
43-9031	Desktop Publishers	32	32	-Avg	Poor	Assoc	0	STOJT
43-9041	Insurance Claims and Policy Processing Clerks	1,042	1,163	Avg	Excl	HS	0	MOJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	455	403	Low	Poor	HS	0	STOJT
43-9061	Office Clerks, General	7,276	7,459	Low	Excl	HS	0	STOJT
43-9071	Office Machine Operators, Except Computer	385	345	Low	Poor	HS	0	STOJT
43-9111	Statistical Assistants	19	21	+Avg	Poor	Bach	0	None
43-9199	Office and Administrative Support Workers, All Other	639	691	-Avg	Good	HS	0	STOJT
45-0000 Farming, Fishing, and Forestry Occupations								
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	224	219	+Avg	Poor	HS	1-5	None
45-2011	Agricultural Inspectors	151	159	Avg	Fair	Bach	0	MOJT
45-2091	Agricultural Equipment Operators	272	268	-Avg	Poor	< HS	0	STOJT
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,348	2,139	Low	Poor	< HS	0	STOJT
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	571	559	-Avg	Poor	< HS	0	STOJT
45-2099	Agricultural Workers, All Other	41	40	NA	Poor	< HS	0	STOJT
45-4011	Forest and Conservation Workers	207	218	Low	Fair	HS	0	MOJT

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
47-0000 Construction and Extraction Occupations								
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,431	1,792	+Avg	Excl	HS	5+	None
47-2011	Boilermakers	20	21	+Avg	Poor	HS	0	App
47-2021	Brickmasons and Blockmasons	244	337	Avg	Good	HS	0	App
47-2031	Carpenters	2,624	3,596	Avg	Excl	HS	0	App
47-2041	Carpet Installers	177	199	-Avg	Fair	< HS	0	STOJT
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	58	67	Avg	Fair	HS	0	MOJT
47-2051	Cement Masons and Concrete Finishers	413	521	Avg	Excl	< HS	0	MOJT
47-2061	Construction Laborers	2,516	3,148	-Avg	Excl	< HS	0	STOJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	328	404	Avg	Good	HS	0	MOJT
47-2072	Pile-Driver Operators	15	20	-Avg	Poor	HS	0	MOJT
47-2073	Operating Engineers and Other Construction Equipment Operators	1,105	1,264	Avg	Excl	HS	0	MOJT
47-2111	Electricians	1,727	2,046	+Avg	Excl	HS	0	App
47-2131	Insulation Workers, Floor, Ceiling, and Wall	229	281	-Avg	Good	< HS	0	STOJT
47-2132	Insulation Workers, Mechanical	274	396	Avg	Excl	HS	0	App
47-2141	Painters, Construction and Maintenance	897	1,115	-Avg	Excl	< HS	0	MOJT
47-2181	Roofers	211	234	-Avg	Fair	< HS	0	MOJT
47-2211	Sheet Metal Workers	504	585	+Avg	Good	HS	0	App
47-2221	Structural Iron and Steel Workers	166	201	Avg	Good	HS	0	App
47-2231	Solar Photovoltaic Installers	14	15	NA	Poor	HS	0	MOJT
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	63	90	-Avg	Fair	< HS	0	STOJT
47-3012	Helpers--Carpenters	155	206	Low	Good	< HS	0	STOJT
47-3013	Helpers--Electricians	114	153	Low	Good	HS	0	STOJT
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	15	16	Low	Poor	< HS	0	STOJT
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	92	115	-Avg	Fair	HS	0	STOJT
47-3016	Helpers--Roofers	17	19	Low	Poor	< HS	0	STOJT
47-3019	Helpers, Construction Trades, All Other	122	151	Low	Fair	< HS	0	STOJT
47-4011	Construction and Building Inspectors	439	498	Avg	Good	HS	5+	MOJT
47-4041	Hazardous Materials Removal Workers	103	108	Avg	Poor	HS	0	MOJT
47-4051	Highway Maintenance Workers	64	68	-Avg	Poor	HS	0	MOJT
47-4061	Rail-Track Laying and Maintenance Equipment Operators	86	95	Avg	Fair	HS	0	MOJT
47-4099	Construction and Related Workers, All Other	176	195	Avg	Fair	HS	0	MOJT
47-5021	Earth Drillers, Except Oil and Gas	27	32	Avg	Poor	HS	0	MOJT
49-0000 Installation, Maintenance, and Repair Occupations								
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	1,318	1,400	+Avg	Good	HS	1-5	None

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
49-2011	Computer, Automated Teller, and Office Machine Repairers	454	479	-Avg	Fair	HS	0	None
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	113	134	Avg	Fair	Assoc	0	MOJT
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	404	483	Avg	Good	VocEd	0	MOJT
49-2091	Avionics Technicians	69	78	+Avg	Fair	Assoc	0	None
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	217	237	+Avg	Fair	VocEd	0	LTOJT
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	282	279	High	Poor	VocEd	0	LTOJT
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	90	87	-Avg	Poor	VocEd	0	STOJT
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	81	73	Avg	Poor	VocEd	0	None
49-2098	Security and Fire Alarm Systems Installers	172	199	Avg	Fair	HS	0	MOJT
49-3011	Aircraft Mechanics and Service Technicians	327	357	+Avg	Fair	VocEd	0	None
49-3021	Automotive Body and Related Repairers	387	393	Avg	Fair	HS	0	MOJT
49-3023	Automotive Service Technicians and Mechanics	1,975	2,011	Avg	Good	HS	0	LTOJT
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	428	459	Avg	Fair	HS	0	LTOJT
49-3041	Farm Equipment Mechanics and Service Technicians	104	115	-Avg	Fair	HS	0	LTOJT
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	324	357	Avg	Fair	HS	0	LTOJT
49-3051	Motorboat Mechanics and Service Technicians	109	111	NA	Poor	HS	0	LTOJT
49-3052	Motorcycle Mechanics	54	57	Avg	Poor	HS	0	LTOJT
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	183	191	-Avg	Fair	HS	0	MOJT
49-3091	Bicycle Repairers	10	10	Low	Poor	HS	0	MOJT
49-3093	Tire Repairers and Changers	103	108	Low	Poor	HS	0	STOJT
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	108	100	+Avg	Poor	HS	0	MOJT
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,290	1,513	Avg	Excl	VocEd	0	LTOJT
49-9041	Industrial Machinery Mechanics	878	987	+Avg	Excl	HS	0	LTOJT
49-9043	Maintenance Workers, Machinery	495	583	Avg	Good	HS	0	MOJT
49-9044	Millwrights	198	239	+Avg	Good	HS	0	App
49-9051	Electrical Power-Line Installers and Repairers	302	308	High	Fair	HS	0	LTOJT
49-9052	Telecommunications Line Installers and Repairers	457	481	+Avg	Fair	HS	0	LTOJT
49-9062	Medical Equipment Repairers	111	138	NA	Fair	Assoc	0	MOJT
49-9069	Precision Instrument and Equipment Repairers, All Other	126	118	+Avg	Poor	HS	0	LTOJT
49-9071	Maintenance and Repair Workers, General	3,442	3,819	-Avg	Excl	HS	0	LTOJT
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	97	84	-Avg	Poor	HS	0	STOJT

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
49-9094	Locksmiths and Safe Repairers	54	57	Avg	Poor	HS	0	LTOJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	409	446	Avg	Good	HS	0	MOJT
51-0000 Production Occupations								
51-1011	First-Line Supervisors of Production and Operating Workers	1,369	1,386	+Avg	Fair	VocEd	1-5	None
51-2023	Electromechanical Equipment Assemblers	41	45	Avg	Poor	HS	0	STOJT
51-2041	Structural Metal Fabricators and Fitters	141	164	Avg	Fair	HS	0	MOJT
51-2092	Team Assemblers	521	570	Low	Good	HS	0	MOJT
51-2099	Assemblers and Fabricators, All Other	555	627	Low	Good	HS	0	MOJT
51-3011	Bakers	314	337	Low	Fair	< HS	0	LTOJT
51-3021	Butchers and Meat Cutters	361	384	-Avg	Fair	< HS	0	LTOJT
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	4,685	5,219	Low	Excl	< HS	0	STOJT
51-3023	Slaughterers and Meat Packers	403	413	Low	Fair	< HS	0	STOJT
51-3092	Food Batchmakers	297	301	NA	Poor	HS	0	MOJT
51-3093	Food Cooking Machine Operators and Tenders	95	97	Low	Poor	HS	0	MOJT
51-3099	Food Processing Workers, All Other	86	92	NA	Fair	< HS	0	MOJT
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	108	113	-Avg	Poor	HS	0	MOJT
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	12	17	Avg	Poor	HS	0	LTOJT
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	180	155	-Avg	Poor	HS	0	MOJT
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	117	122	-Avg	Poor	HS	0	MOJT
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	26	26	Low	Poor	HS	0	MOJT
51-4041	Machinists	672	783	Avg	Excl	HS	0	LTOJT
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	70	67	-Avg	Poor	HS	0	MOJT
51-4121	Welders, Cutters, Solderers, and Brazers	492	550	Avg	Good	HS	0	MOJT
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	18	22	-Avg	Poor	HS	0	MOJT
51-5112	Printing Press Operators	325	310	Avg	Poor	HS	0	MOJT
51-5113	Print Binding and Finishing Workers	109	95	-Avg	Poor	HS	0	STOJT
51-6011	Laundry and Dry-Cleaning Workers	566	622	Low	Good	< HS	0	STOJT
51-6052	Tailors, Dressmakers, and Custom Sewers	189	181	-Avg	Poor	< HS	0	MOJT
51-6093	Upholsterers	40	33	-Avg	Poor	HS	0	MOJT
51-7011	Cabinetmakers and Bench Carpenters	177	175	-Avg	Poor	HS	0	MOJT
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	41	42	Low	Poor	HS	0	STOJT
51-8012	Power Distributors and Dispatchers	105	103	High	Poor	HS	0	LTOJT

Occupation Projections by Occupational Group

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
51-8013	Power Plant Operators	45	38	+Avg	Poor	HS	0	LTOJT
51-8021	Stationary Engineers and Boiler Operators	63	64	+Avg	Poor	HS	0	LTOJT
51-8031	Water and Wastewater Treatment Plant and System Operators	235	255	Avg	Fair	HS	0	LTOJT
51-8091	Chemical Plant and System Operators	109	95	+Avg	Poor	HS	0	LTOJT
51-8092	Gas Plant Operators	29	25	NA	Poor	HS	0	LTOJT
51-9011	Chemical Equipment Operators and Tenders	753	639	Avg	Poor	HS	0	MOJT
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	175	162	-Avg	Poor	HS	0	MOJT
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	52	52	Low	Poor	HS	0	MOJT
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	53	53	-Avg	Poor	HS	0	MOJT
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	129	118	Avg	Poor	HS	0	STOJT
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	144	140	-Avg	Poor	HS	0	MOJT
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	46	48	Avg	Poor	HS	0	MOJT
51-9081	Dental Laboratory Technicians	117	122	Avg	Poor	HS	0	MOJT
51-9082	Medical Appliance Technicians	25	26	-Avg	Poor	HS	0	LTOJT
51-9083	Ophthalmic Laboratory Technicians	26	29	Low	Poor	HS	0	MOJT
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	28	30	Avg	Poor	HS	0	MOJT
51-9122	Painters, Transportation Equipment	147	150	Avg	Poor	HS	0	MOJT
51-9151	Photographic Process Workers and Processing Machine Operators	83	78	Low	Poor	HS	0	STOJT
51-9191	Adhesive Bonding Machine Operators and Tenders	34	37	-Avg	Poor	HS	0	MOJT
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	104	137	Low	Fair	HS	0	LTOJT
51-9198	Helpers--Production Workers	716	761	Low	Good	< HS	0	STOJT
51-9199	Production Workers, All Other	63	66	NA	Poor	HS	0	MOJT
53-000 Transportation and Material Moving Occupations								
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	482	527	Avg	Good	HS	1-5	None
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	592	642	+Avg	Good	HS	1-5	None
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	92	106	Low	Fair	HS	0	MOJT
53-3021	Bus Drivers, Transit and Intercity	381	401	-Avg	Fair	HS	0	MOJT
53-3022	Bus Drivers, School or Special Client	2,048	2,217	-Avg	Excl	HS	0	STOJT
53-3031	Driver/Sales Workers	1,179	1,276	Low	Excl	HS	0	STOJT
53-3032	Heavy and Tractor-Trailer Truck Drivers	3,340	3,741	Avg	Excl	VocEd	0	STOJT
53-3033	Light Truck or Delivery Services Drivers	2,596	2,762	-Avg	Excl	HS	0	STOJT

SOC Code	Title of Occupation	2012 Est. Empl.	2022 Proj. Empl.	Wage Cat.	Job Avail.	Educ.	Work Exp.	Job Training
53-3041	Taxi Drivers and Chauffeurs	684	742	Low	Good	< HS	0	STOJT
53-3099	Motor Vehicle Operators, All Other	360	396	Low	Good	HS	0	STOJT
53-4011	Locomotive Engineers	34	36	+Avg	Poor	HS	1-5	MOJT
53-4031	Railroad Conductors and Yardmasters	32	34	High	Poor	HS	0	MOJT
53-5011	Sailors and Marine Oilers	23	20	-Avg	Poor	< HS	0	MOJT
53-5021	Captains, Mates, and Pilots of Water Vessels	35	30	High	Poor	Bach	0	None
53-6021	Parking Lot Attendants	438	475	Low	Good	< HS	0	STOJT
53-6031	Automotive and Watercraft Service Attendants	237	251	Low	Fair	< HS	0	STOJT
53-6051	Transportation Inspectors	217	249	-Avg	Fair	HS	0	MOJT
53-6099	Transportation Workers, All Other	42	45	-Avg	Poor	HS	0	STOJT
53-7021	Crane and Tower Operators	156	141	Avg	Poor	HS	1-5	MOJT
53-7032	Excavating and Loading Machine and Dragline Operators	150	191	+Avg	Good	HS	1-5	MOJT
53-7051	Industrial Truck and Tractor Operators	1,046	1,017	-Avg	Poor	< HS	0	STOJT
53-7061	Cleaners of Vehicles and Equipment	1,211	1,250	Low	Good	< HS	0	STOJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	6,138	6,657	Low	Excl	< HS	0	STOJT
53-7064	Packers and Packagers, Hand	1,019	1,062	Low	Good	< HS	0	STOJT
53-7081	Refuse and Recyclable Material Collectors	475	548	-Avg	Good	< HS	0	STOJT

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.

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 2012 to 2022, average annual openings due to growth for that period, average annual openings due to net replacement of workers (the total

expected job openings in an average year would be the sum of these two numbers), and the estimated 2012 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 23,500 projected, while the *Arts, Audio/Video Technology & Communications* cluster is expected to generate the fewest, at just over 900. The average number of openings per cluster is about 8,750, but this is a little misleading, as the top four clusters (*Marketing, Business Management & Administration*, and

Health Science, along with *Hospitality & Tourism*) account for well over half of all openings.

Science, Technology, Engineering & Mathematics (STEM) is the highest-paying cluster; its occupations paid an average wage of \$90,145 in 2012. *Hospitality & Tourism* had the lowest average wage; this cluster's occupations paid an average \$23,395 in 2012. It is also worth noting that the STEM average wage increased by \$11,410 from the 2010 data reported in our last publication, while the average wage in *Hospitality & Tourism* increased by \$46. Averages for all 16 career clusters can be found in the table below, along with their ranking among the 16 clusters.

Wages, Projected Openings, and Growth by Career Cluster, 2012–2022

Career Cluster	Average Wage 2012	Rank	Total Openings	Rank	Percent Total Openings	New Jobs	Ann. Pct. Growth
Agriculture, Food & Natural Resources	\$44,469	11th	2,730	13th	1.9%	400	-0.54%
Architecture & Construction	\$45,425	10th	9,270	5th	6.6%	4,720	1.86%
Arts, Audio/Video Technology & Communications	\$47,969	9th	910	16th	0.6%	240	0.56%
Business Management & Administration	\$54,301	7th	18,360	3rd	13.1%	4,620	0.54%
Education & Training	\$50,116	8th	7,680	8th	5.5%	1,960	0.75%
Finance	\$67,743	3rd	8,570	7th	6.1%	2,580	1.01%
Government & Public Administration	\$55,566	6th	1,270	15th	0.9%	370	0.87%
Health Science	\$61,496	4th	15,710	4th	11.2%	7,320	1.55%
Hospitality & Tourism	\$23,395	16th	23,500	1st	16.8%	4,980	0.87%
Human Services	\$35,861	14th	5,120	10th	3.7%	2,130	1.38%
Information Technology	\$82,476	2nd	4,230	12th	3.0%	2,060	1.45%
Law, Public Safety, Corrections & Security	\$61,165	5th	4,920	11th	3.5%	1,160	0.63%
Manufacturing	\$41,249	13th	7,670	9th	5.5%	2,060	0.72%
Marketing	\$41,328	12th	19,050	2nd	13.6%	3,840	0.70%
Science, Technology, Engineering & Mathematics	\$90,145	1st	2,330	14th	1.7%	540	0.85%
Transportation, Distribution & Logistics	\$34,325	15th	8,700	6th	6.2%	2,080	0.70%

Table 2: Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
<i>Agriculture, Food, and Natural Resources</i>					
45-2091	Agricultural Equipment Operators	-0.15%	0	8	\$32,365
45-2099	Agricultural Workers, All Other	-0.25%	0	1	NA
19-4021	Biological Technicians	0.87%	3	9	\$42,536
17-3025	Environmental Engineering Technicians	1.55%	1	1	\$49,712
17-2081	Environmental Engineers	0.98%	2	4	\$79,664
19-4091	Environmental Science and Protection Technicians, Including Health	1.60%	3	7	\$34,050
49-3041	Farm Equipment Mechanics and Service Technicians	1.01%	1	3	\$31,907
11-9013	Farmers, Ranchers, and Other Agricultural Managers	-2.45%	0	50	NA
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	-0.93%	0	71	\$26,978
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	-0.21%	0	17	\$31,158
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	-0.23%	0	5	\$51,896
19-1012	Food Scientists and Technologists	0.56%	0	1	\$68,078
45-4011	Forest and Conservation Workers	0.52%	1	4	\$28,330
47-4041	Hazardous Materials Removal Workers	0.48%	0	2	\$38,605
11-9121	Natural Sciences Managers	-0.76%	0	12	\$180,918
39-2021	Nonfarm Animal Caretakers	1.54%	17	12	\$21,674
37-2021	Pest Control Workers	1.04%	2	5	\$37,419
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	0.00%	0	1	\$29,973
53-7081	Refuse and Recyclable Material Collectors	1.44%	7	10	\$35,630
19-1013	Soil and Plant Scientists	1.43%	1	2	\$54,558
37-3013	Tree Trimmers and Pruners	0.00%	0	0	\$45,843
51-8031	Water and Wastewater Treatment Plant and System Operators	0.82%	2	8	\$42,786
<i>Architecture and Construction</i>					
17-1011	Architects, Except Landscape and Naval	1.51%	2	3	\$73,840
17-3011	Architectural and Civil Drafters	-0.36%	0	3	\$47,923
47-2011	Boilermakers	0.49%	0	1	\$64,750
47-2021	Brickmasons and Blockmasons	3.28%	9	3	\$49,712
47-2031	Carpenters	3.20%	97	32	\$41,163
47-2041	Carpet Installers	1.18%	2	3	\$37,814
47-2051	Cement Masons and Concrete Finishers	2.35%	11	5	\$42,910
17-3022	Civil Engineering Technicians	-0.37%	0	7	\$40,581
47-4099	Construction and Related Workers, All Other	1.03%	2	3	\$43,285
47-2061	Construction Laborers	2.27%	63	54	\$32,552
11-9021	Construction Managers	2.09%	20	14	\$102,814

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-0.77%	0	4	\$60,611
13-1051	Cost Estimators	2.36%	26	32	\$63,565
53-7021	Crane and Tower Operators	-1.01%	0	5	\$50,814
47-5021	Earth Drillers, Except Oil and Gas	1.71%	0	1	\$38,834
49-9051	Electrical Power-Line Installers and Repairers	0.20%	1	10	\$72,883
47-2111	Electricians	1.71%	32	32	\$54,642
53-7032	Excavating and Loading Machine and Dragline Operators	2.45%	4	1	\$56,430
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	2.28%	36	15	\$65,042
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	1.32%	6	5	\$55,037
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	1.45%	1	1	\$40,331
37-3019	Grounds Maintenance Workers, All Other	0.32%	0	1	\$42,494
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1.61%	22	33	\$50,045
47-3019	Helpers, Construction Trades, All Other	2.16%	3	2	\$27,165
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	3.63%	3	1	\$34,882
47-3012	Helpers--Carpenters	2.89%	5	2	\$27,914
47-3013	Helpers--Electricians	2.99%	4	2	\$28,122
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	0.65%	0	0	\$27,706
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	2.26%	2	1	\$29,786
47-3016	Helpers--Roofers	1.12%	0	0	\$21,778
47-4051	Highway Maintenance Workers	0.61%	0	1	\$36,982
47-2131	Insulation Workers, Floor, Ceiling, and Wall	2.07%	5	3	\$37,627
47-2132	Insulation Workers, Mechanical	3.75%	12	4	\$49,795
27-1025	Interior Designers	1.24%	2	5	NA
37-3011	Landscaping and Groundskeeping Workers	0.91%	34	89	\$25,085
49-9044	Millwrights	1.90%	4	3	\$53,123
47-2073	Operating Engineers and Other Construction Equipment Operators	1.35%	16	24	\$39,437
47-2141	Painters, Construction and Maintenance	2.20%	22	14	\$36,192
47-2071	Paving, Surfacing, and Tamping Equipment Operators	2.11%	8	5	\$46,675
47-2072	Pile-Driver Operators	2.92%	0	0	\$31,928
47-2181	Roofers	1.04%	2	4	\$36,566
47-2211	Sheet Metal Workers	1.50%	8	10	\$51,896
47-2231	Solar Photovoltaic Installers	0.69%	0	0	NA
51-8021	Stationary Engineers and Boiler Operators	0.16%	0	2	\$54,475
47-2221	Structural Iron and Steel Workers	1.93%	4	5	\$49,525
51-2041	Structural Metal Fabricators and Fitters	1.52%	2	6	\$39,499

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
17-3031	Surveying and Mapping Technicians	1.02%	2	2	\$41,683
17-1022	Surveyors	0.17%	0	2	\$73,840
Arts, Audio/Visual and Communications					
27-1011	Art Directors	0.80%	1	2	\$75,504
27-4011	Audio and Video Equipment Technicians	1.44%	2	2	\$42,203
27-4012	Broadcast Technicians	1.26%	0	0	\$34,528
27-1021	Commercial and Industrial Designers	-0.34%	0	1	\$59,405
43-9031	Desktop Publishers	0.00%	0	1	\$30,139
27-3041	Editors	0.23%	0	5	\$59,946
27-4032	Film and Video Editors	0.45%	0	0	\$52,187
27-1023	Floral Designers	-0.45%	0	5	\$26,582
27-1024	Graphic Designers	0.63%	3	11	\$45,240
27-2041	Music Directors and Composers	-0.78%	0	1	\$81,598
27-4021	Photographers	0.44%	1	3	\$28,371
51-5113	Print Binding and Finishing Workers	-1.37%	0	2	\$33,654
51-5112	Printing Press Operators	-0.47%	0	6	\$43,826
27-3011	Radio and Television Announcers	1.59%	3	3	\$42,453
27-3022	Reporters and Correspondents	-1.86%	0	2	NA
27-4014	Sound Engineering Technicians	0.80%	0	0	\$44,075
27-3042	Technical Writers	1.43%	2	4	\$63,981
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1.80%	8	6	\$49,421
49-9052	Telecommunications Line Installers and Repairers	0.51%	2	11	\$59,467
27-3043	Writers and Authors	1.21%	2	2	\$61,797
Business, Management, and Administration					
11-3011	Administrative Services Managers	0.78%	5	10	\$102,357
43-3031	Bookkeeping, Accounting, and Auditing Clerks	0.96%	62	57	\$38,106
13-1199	Business Operations Specialists, All Other	0.86%	11	17	\$64,147
11-1011	Chief Executives	0.31%	2	11	\$204,942
11-3111	Compensation and Benefits Managers	-0.66%	0	2	\$118,747
13-1141	Compensation, Benefits, and Job Analysis Specialists	0.48%	1	4	\$64,064
11-3021	Computer and Information Systems Managers	0.76%	11	20	\$143,811
43-4021	Correspondence Clerks	1.11%	1	3	\$33,426
43-4051	Customer Service Representatives	1.06%	72	175	\$36,046
43-9021	Data Entry Keyers	-3.06%	0	10	\$29,786
43-6011	Executive Secretaries and Executive Administrative Assistants	-0.55%	0	18	\$54,621
43-4071	File Clerks	-0.90%	0	16	\$28,787
43-1011	First-Line Supervisors of Office and Administrative Support Workers	1.01%	53	118	\$56,514

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
13-1131	Fundraisers	1.44%	8	11	\$53,789
11-1021	General and Operations Managers	0.83%	36	77	\$140,462
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	-0.22%	0	9	\$35,734
11-3121	Human Resources Managers	0.59%	2	8	\$132,267
13-1071	Human Resources Specialists	0.48%	7	26	\$63,086
11-3051	Industrial Production Managers	0.15%	0	6	\$111,405
43-4199	Information and Record Clerks, All Other	-0.47%	0	5	\$40,165
43-4111	Interviewers, Except Eligibility and Loan	0.30%	2	11	\$36,005
13-1075	Labor Relations Specialists	0.07%	0	11	\$53,290
43-4121	Library Assistants, Clerical	1.40%	5	16	\$21,382
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	-1.21%	0	10	\$25,501
13-1111	Management Analysts	1.15%	30	38	\$80,870
11-9199	Managers, All Other	0.97%	18	39	\$145,995
13-1121	Meeting, Convention, and Event Planners	2.99%	8	3	\$46,426
43-5041	Meter Readers, Utilities	-2.84%	0	2	\$48,485
43-4141	New Accounts Clerks	-0.16%	0	5	\$38,563
43-9199	Office and Administrative Support Workers, All Other	0.79%	5	18	\$34,050
43-9061	Office Clerks, General	0.25%	18	153	\$27,914
43-9071	Office Machine Operators, Except Computer	-1.09%	0	9	\$28,725
15-2031	Operations Research Analysts	2.51%	12	9	\$77,272
43-4151	Order Clerks	-0.52%	0	12	\$30,160
43-3051	Payroll and Timekeeping Clerks	1.12%	6	11	\$40,976
43-5051	Postal Service Clerks	-1.49%	0	3	\$51,147
43-5052	Postal Service Mail Carriers	-0.80%	0	32	\$51,917
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	-1.21%	0	3	\$52,062
43-3061	Procurement Clerks	0.54%	1	6	\$38,230
11-3061	Purchasing Managers	-0.10%	0	2	\$118,893
43-4171	Receptionists and Information Clerks	0.26%	6	66	\$24,773
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	0.77%	53	80	\$37,669
43-5071	Shipping, Receiving, and Traffic Clerks	0.57%	12	53	\$31,554
43-5081	Stock Clerks and Order Fillers	-0.31%	0	154	\$23,712
43-2011	Switchboard Operators, Including Answering Service	-1.67%	0	4	\$27,123
43-2021	Telephone Operators	-0.19%	0	1	\$30,722
11-3131	Training and Development Managers	0.00%	0	3	\$133,598
13-1151	Training and Development Specialists	1.50%	15	17	\$64,563
43-9022	Word Processors and Typists	-2.57%	0	0	\$40,539
Education and Training					
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	0.58%	2	5	\$57,179

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
25-4011	Archivists	1.21%	0	1	\$43,160
25-1121	Art, Drama, and Music Teachers, Postsecondary	1.16%	4	5	NA
27-2022	Coaches and Scouts	1.13%	9	22	\$33,968
25-4012	Curators	0.58%	0	1	\$52,853
11-9039	Education Administrators, All Other	0.84%	1	2	\$86,611
11-9032	Education Administrators, Elementary and Secondary School	0.27%	2	19	\$105,152
11-9033	Education Administrators, Postsecondary	1.12%	3	6	\$126,298
11-9031	Education Administrators, Preschool and Childcare Center/ Program	0.96%	2	6	\$47,486
25-9099	Education, Training, and Library Workers, All Other	0.35%	0	1	\$41,621
21-1012	Educational, Guidance, School, and Vocational Counselors	0.91%	9	19	\$60,403
25-2021	Elementary School Teachers, Except Special Education	0.89%	43	102	\$57,618
25-9031	Instructional Coordinators	0.93%	6	5	\$65,125
27-3091	Interpreters and Translators	2.54%	1	0	\$48,734
25-2012	Kindergarten Teachers, Except Special Education	0.82%	4	13	\$53,950
25-4021	Librarians	0.53%	3	11	\$64,251
25-4031	Library Technicians	0.87%	2	12	\$36,878
25-2022	Middle School Teachers, Except Special and Career/Technical Education	0.88%	18	44	\$54,343
25-4013	Museum Technicians and Conservators	0.43%	0	2	\$35,277
25-1072	Nursing Instructors and Teachers, Postsecondary	2.83%	7	4	\$81,115
25-1199	Postsecondary Teachers, All Other	0.87%	1	2	NA
25-2011	Preschool Teachers, Except Special Education	0.95%	23	65	\$23,629
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	0.29%	9	78	\$55,611
25-3021	Self-Enrichment Education Teachers	1.19%	7	10	\$38,438
25-2059	Special Education Teachers, All Other	1.29%	1	1	\$67,395
25-2052	Special Education Teachers, Kindergarten and Elementary School	0.19%	3	23	\$60,725
25-2053	Special Education Teachers, Middle School	0.17%	0	2	\$61,553
25-2051	Special Education Teachers, Preschool	2.26%	0	0	NA
25-2054	Special Education Teachers, Secondary School	0.16%	0	4	\$60,351
25-3098	Substitute Teachers	1.31%	14	17	\$27,560
25-9041	Teacher Assistants	0.48%	16	74	\$30,589
25-3099	Teachers and Instructors, All Other	0.58%	4	12	\$47,359
25-1194	Vocational Education Teachers, Postsecondary	0.70%	2	4	\$49,358
Finance					
13-2011	Accountants and Auditors	0.93%	45	138	\$69,451
15-2011	Actuaries	0.94%	1	2	NA
43-3011	Bill and Account Collectors	1.00%	11	31	\$33,550
43-4011	Brokerage Clerks	-0.31%	0	3	\$42,286
13-2031	Budget Analysts	1.17%	2	6	\$66,165

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
13-1031	Claims Adjusters, Examiners, and Investigators	0.84%	6	17	\$64,501
13-2041	Credit Analysts	1.52%	15	23	\$69,784
43-4041	Credit Authorizers, Checkers, and Clerks	-0.10%	0	14	\$37,003
13-2051	Financial Analysts	1.32%	33	58	\$79,768
43-3099	Financial Clerks, All Other	1.12%	2	6	\$41,496
11-3031	Financial Managers	0.67%	16	43	\$145,142
13-2099	Financial Specialists, All Other	1.01%	8	8	\$71,261
43-9041	Insurance Claims and Policy Processing Clerks	1.10%	12	28	\$39,603
41-3021	Insurance Sales Agents	1.62%	23	31	\$57,117
13-2053	Insurance Underwriters	-0.31%	0	9	\$66,102
43-4131	Loan Interviewers and Clerks	1.31%	17	8	\$37,731
13-2072	Loan Officers	1.17%	12	17	\$64,418
13-2052	Personal Financial Advisors	2.20%	29	20	\$85,800
41-3031	Securities, Commodities, and Financial Services Sales Agents	0.89%	12	31	\$87,859
13-2082	Tax Preparers	0.77%	1	4	\$29,661
43-3071	Tellers	0.57%	13	102	\$25,168
Government and Public Administration					
45-2011	Agricultural Inspectors	0.52%	1	4	\$44,179
13-2021	Appraisers and Assessors of Real Estate	0.72%	1	2	\$46,696
13-1041	Compliance Officers	0.57%	7	21	\$71,614
47-4011	Construction and Building Inspectors	1.27%	6	10	\$49,130
43-4031	Court, Municipal, and License Clerks	1.05%	9	13	\$33,238
43-4061	Eligibility Interviewers, Government Programs	1.45%	2	2	\$33,030
13-2061	Financial Examiners	1.10%	2	6	\$83,096
29-9011	Occupational Health and Safety Specialists	0.79%	3	11	\$65,395
29-9012	Occupational Health and Safety Technicians	1.96%	0	0	\$51,293
11-9131	Postmasters and Mail Superintendents	-0.42%	0	1	\$71,885
43-9111	Statistical Assistants	1.01%	0	0	\$57,325
13-2081	Tax Examiners and Collectors, and Revenue Agents	0.46%	1	4	\$63,440
53-6051	Transportation Inspectors	1.39%	3	7	\$34,528
19-3051	Urban and Regional Planners	0.73%	2	9	\$66,664
Health Sciences					
29-1061	Anesthesiologists	1.33%	1	2	\$206,648
29-9091	Athletic Trainers	2.09%	3	3	\$37,703
29-1181	Audiologists	2.03%	1	1	\$88,109
29-2031	Cardiovascular Technologists and Technicians	2.38%	7	4	\$54,870
29-1011	Chiropractors	0.00%	0	2	\$92,581
31-9091	Dental Assistants	0.66%	6	18	\$33,467
29-2021	Dental Hygienists	1.30%	9	16	\$69,264

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
29-1021	Dentists, General	0.21%	1	8	\$214,843
29-2032	Diagnostic Medical Sonographers	3.23%	5	2	\$66,747
29-2051	Dietetic Technicians	1.14%	2	1	\$28,413
29-1031	Dietitians and Nutritionists	1.76%	3	2	\$59,218
29-1062	Family and General Practitioners	0.15%	1	15	\$147,077
29-9092	Genetic Counselors	2.92%	0	0	\$60,965
29-1199	Health Diagnosing and Treating Practitioners, All Other	2.63%	1	1	\$70,346
29-2099	Health Technologists and Technicians, All Other	2.14%	6	2	\$37,294
29-9099	Healthcare Practitioners and Technical Workers, All Other	0.96%	0	1	\$66,851
31-9099	Healthcare Support Workers, All Other	1.03%	1	2	\$41,101
29-2092	Hearing Aid Specialists	1.34%	0	0	NA
31-1011	Home Health Aides	2.91%	78	45	\$23,691
29-2061	Licensed Practical and Licensed Vocational Nurses	1.77%	42	53	\$47,362
29-2035	Magnetic Resonance Imaging Technologists	1.46%	5	4	\$70,491
29-2012	Medical and Clinical Laboratory Technicians	2.05%	9	10	\$43,576
29-2011	Medical and Clinical Laboratory Technologists	0.88%	4	11	\$63,378
11-9111	Medical and Health Services Managers	1.62%	14	19	\$108,701
31-9092	Medical Assistants	1.23%	24	35	\$31,658
31-9093	Medical Equipment Preparers	1.49%	3	3	\$35,402
29-2071	Medical Records and Health Information Technicians	1.41%	7	12	\$36,504
19-1042	Medical Scientists, Except Epidemiologists	-1.46%	0	10	NA
43-6013	Medical Secretaries	2.00%	97	54	\$31,762
31-9094	Medical Transcriptionists	-0.42%	0	3	\$39,125
29-2033	Nuclear Medicine Technologists	1.34%	1	1	\$71,157
29-1151	Nurse Anesthetists	1.20%	1	2	\$161,970
29-1161	Nurse Midwives	1.55%	1	1	\$65,728
29-1171	Nurse Practitioners	1.89%	10	9	\$91,666
31-1014	Nursing Assistants	1.39%	80	104	\$27,248
29-1064	Obstetricians and Gynecologists	0.45%	0	3	\$240,386
29-1122	Occupational Therapists	1.83%	5	4	\$75,150
31-2011	Occupational Therapy Assistants	2.54%	2	2	\$62,171
29-2057	Ophthalmic Medical Technicians	1.04%	5	4	\$37,211
29-2081	Opticians, Dispensing	1.55%	6	10	\$34,570
29-1041	Optometrists	0.72%	1	4	\$106,059
31-1015	Orderlies	1.25%	3	5	\$26,582
29-1065	Pediatricians, General	0.34%	1	7	\$155,126
29-1051	Pharmacists	1.41%	10	15	\$121,826
29-2052	Pharmacy Technicians	1.80%	16	8	\$27,664
31-9097	Phlebotomists	1.46%	4	4	\$37,024
31-2022	Physical Therapist Aides	2.51%	8	6	\$23,608

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
31-2021	Physical Therapist Assistants	2.37%	4	4	\$56,451
29-1123	Physical Therapists	2.21%	14	14	\$86,091
29-1071	Physician Assistants	2.23%	8	6	\$95,326
29-1069	Physicians and Surgeons, All Other	1.13%	18	38	\$199,285
29-1081	Podiatrists	1.30%	1	2	\$139,901
29-1066	Psychiatrists	0.55%	0	2	\$194,626
29-2034	Radiologic Technologists	1.39%	7	7	\$59,925
29-1125	Recreational Therapists	0.94%	1	1	\$39,478
29-1141	Registered Nurses	1.47%	159	196	\$70,824
29-1126	Respiratory Therapists	1.66%	7	6	\$66,186
29-1127	Speech-Language Pathologists	1.36%	7	8	\$76,814
29-1067	Surgeons	1.00%	3	6	NA
29-2055	Surgical Technologists	2.37%	7	3	\$42,994
29-1129	Therapists, All Other	3.70%	1	0	NA
29-1131	Veterinarians	0.95%	3	10	\$112,632
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	0.17%	0	4	\$31,450
29-2056	Veterinary Technologists and Technicians	2.08%	8	4	\$36,795
Hospitality and Tourism					
39-3091	Amusement and Recreation Attendants	0.97%	9	45	\$18,429
39-2011	Animal Trainers	1.65%	2	5	\$40,872
39-6011	Baggage Porters and Bellhops	0.57%	0	0	\$26,520
51-3011	Bakers	0.71%	2	8	\$25,314
35-3011	Bartenders	1.14%	24	75	\$20,779
37-2019	Building Cleaning Workers, All Other	0.78%	1	2	NA
35-1011	Chefs and Head Cooks	0.59%	2	5	\$51,854
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1.25%	150	431	\$18,034
39-6012	Concierges	2.14%	0	0	\$23,296
35-2011	Cooks, Fast Food	-0.09%	0	13	\$17,826
35-2012	Cooks, Institution and Cafeteria	0.63%	16	50	\$27,976
35-2014	Cooks, Restaurant	1.33%	53	75	\$23,421
35-2015	Cooks, Short Order	0.00%	0	6	\$22,381
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	0.09%	1	56	\$20,821
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	0.72%	8	48	\$17,451
35-9021	Dishwashers	0.45%	8	81	\$18,512
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	1.18%	38	87	\$35,568
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	1.02%	7	16	\$41,413
35-9099	Food Preparation and Serving Related Workers, All Other	0.77%	2	10	\$23,400
35-2021	Food Preparation Workers	0.46%	8	47	\$20,342

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
35-3041	Food Servers, Nonrestaurant	1.07%	6	16	\$21,070
11-9051	Food Service Managers	0.35%	2	7	\$68,765
39-3012	Gaming and Sports Book Writers and Runners	0.40%	0	2	\$28,496
43-3041	Gaming Cage Workers	0.33%	0	2	\$24,898
11-9071	Gaming Managers	0.49%	0	0	\$80,226
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	0.45%	7	121	\$17,763
43-4081	Hotel, Motel, and Resort Desk Clerks	1.02%	7	31	\$20,571
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	0.75%	55	133	\$27,435
11-9081	Lodging Managers	0.36%	0	3	\$89,294
37-2012	Maids and Housekeeping Cleaners	1.10%	34	58	\$19,843
39-3021	Motion Picture Projectionists	-2.21%	0	1	\$21,029
39-9032	Recreation Workers	1.42%	13	10	\$26,312
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	-0.70%	0	1	NA
39-1012	Slot Supervisors	0.38%	0	2	\$35,797
39-7011	Tour Guides and Escorts	0.71%	3	21	\$27,165
41-3041	Travel Agents	-2.24%	0	2	\$36,171
27-2023	Umpires, Referees, and Other Sports Officials	1.10%	2	6	\$26,927
39-3031	Ushers, Lobby Attendants, and Ticket Takers	-0.79%	0	12	\$17,618
35-3031	Waiters and Waitresses	0.50%	38	364	\$21,528
Human Services					
21-1021	Child, Family, and School Social Workers	0.86%	8	19	\$40,186
19-3031	Clinical, Counseling, and School Psychologists	0.67%	3	13	\$69,202
21-1099	Community and Social Service Specialists, All Other	1.31%	5	10	\$36,442
21-1094	Community Health Workers	1.58%	4	7	\$34,299
21-1019	Counselors, All Other	1.84%	1	1	\$30,077
13-2071	Credit Counselors	1.73%	2	2	\$39,229
39-1021	First-Line Supervisors of Personal Service Workers	1.08%	11	18	\$40,102
39-9031	Fitness Trainers and Aerobics Instructors	1.01%	18	21	\$28,954
39-4021	Funeral Attendants	0.24%	0	4	\$25,771
11-9061	Funeral Service Managers	1.55%	0	0	\$76,461
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1.57%	40	55	\$29,016
21-1091	Health Educators	1.49%	2	4	\$67,392
21-1022	Healthcare Social Workers	1.50%	8	11	\$49,275
51-6011	Laundry and Dry-Cleaning Workers	0.95%	6	17	\$21,403
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	0.39%	0	3	\$18,637
39-5092	Manicurists and Pedicurists	1.93%	7	3	\$23,899
21-1013	Marriage and Family Therapists	0.88%	2	5	\$49,962
31-9011	Massage Therapists	2.79%	3	1	\$51,542
21-1023	Mental Health and Substance Abuse Social Workers	1.26%	6	9	\$45,968

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
21-1014	Mental Health Counselors	1.84%	10	11	\$36,858
39-4031	Morticians, Undertakers, and Funeral Directors	1.10%	1	2	\$60,840
39-9021	Personal Care Aides	3.38%	33	6	\$24,877
39-9099	Personal Care and Service Workers, All Other	1.13%	1	3	\$21,757
21-1015	Rehabilitation Counselors	1.25%	7	11	\$34,174
39-9041	Residential Advisors	1.34%	5	15	\$22,755
39-5093	Shampooers	0.13%	0	2	\$17,347
39-5094	Skincare Specialists	4.14%	1	0	\$28,059
11-9151	Social and Community Service Managers	1.23%	10	15	\$62,774
21-1093	Social and Human Service Assistants	1.21%	10	20	\$27,664
21-1029	Social Workers, All Other	0.74%	1	2	\$60,029
21-1011	Substance Abuse and Behavioral Disorder Counselors	2.22%	8	7	\$38,272
51-6052	Tailors, Dressmakers, and Custom Sewers	-0.43%	0	2	\$33,446
Information Technology					
15-1143	Computer Network Architects	0.99%	5	8	\$94,640
15-1152	Computer Network Support Specialists	1.16%	7	9	\$54,933
15-1199	Computer Occupations, All Other	0.91%	2	4	\$74,360
15-1131	Computer Programmers	0.43%	7	41	\$82,950
15-1121	Computer Systems Analysts	2.03%	63	44	\$83,429
15-1151	Computer User Support Specialists	1.66%	32	28	\$53,747
15-1141	Database Administrators	0.86%	4	8	\$87,277
15-1122	Information Security Analysts	2.32%	12	7	\$98,384
15-1142	Network and Computer Systems Administrators	0.97%	10	16	\$68,786
15-1132	Software Developers, Applications	1.67%	43	31	\$100,214
15-1133	Software Developers, Systems Software	1.20%	15	15	\$103,293
15-1134	Web Developers	1.69%	6	6	\$72,571
Law, Public Safety, Corrections, and Security					
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	0.41%	0	1	\$66,102
33-9011	Animal Control Workers	1.58%	2	3	\$30,576
23-1022	Arbitrators, Mediators, and Conciliators	0.43%	0	1	\$38,938
33-3011	Bailiffs	0.51%	0	2	\$29,453
33-3012	Correctional Officers and Jailers	0.55%	10	47	\$34,486
23-2091	Court Reporters	0.74%	0	1	\$53,602
33-9091	Crossing Guards	0.73%	3	5	\$29,307
29-2041	Emergency Medical Technicians and Paramedics	0.97%	12	33	\$37,960
33-2021	Fire Inspectors and Investigators	1.12%	1	2	\$46,467
33-2011	Firefighters	0.74%	2	9	\$45,552
33-1011	First-Line Supervisors of Correctional Officers	0.57%	1	8	\$45,573

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
33-1099	First-Line Supervisors of Protective Service Workers, All Other	0.71%	3	9	\$45,386
33-3031	Fish and Game Wardens	0.53%	0	2	\$47,382
19-4092	Forensic Science Technicians	0.77%	0	1	\$50,606
33-9031	Gaming Surveillance Officers and Gaming Investigators	0.34%	0	1	\$30,451
23-1023	Judges, Magistrate Judges, and Magistrates	0.68%	1	2	\$130,998
23-1012	Judicial Law Clerks	0.64%	1	2	\$45,240
23-1011	Lawyers	0.83%	29	54	\$152,589
43-6012	Legal Secretaries	-0.84%	0	15	\$49,837
23-2099	Legal Support Workers, All Other	0.74%	2	3	\$63,086
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	0.90%	6	44	\$21,133
23-2011	Paralegals and Legal Assistants	1.09%	16	22	\$51,917
43-5031	Police, Fire, and Ambulance Dispatchers	0.45%	1	6	\$39,270
33-9021	Private Detectives and Investigators	0.78%	0	1	\$52,832
21-1092	Probation Officers and Correctional Treatment Specialists	0.02%	0	11	\$41,954
33-9099	Protective Service Workers, All Other	0.89%	5	38	\$30,763
33-9032	Security Guards	0.59%	21	53	\$25,480
Manufacturing					
51-9191	Adhesive Bonding Machine Operators and Tenders	0.85%	0	1	\$30,430
51-2099	Assemblers and Fabricators, All Other	1.23%	7	9	\$25,792
51-3021	Butchers and Meat Cutters	0.62%	2	9	\$37,669
51-7011	Cabinetmakers and Bench Carpenters	-0.11%	0	1	\$32,573
51-9011	Chemical Equipment Operators and Tenders	-1.63%	0	26	\$49,962
51-8091	Chemical Plant and System Operators	-1.37%	0	4	\$61,090
19-4031	Chemical Technicians	1.34%	12	20	\$58,760
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	0.69%	0	0	\$38,875
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	-1.43%	0	1	\$33,821
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	3.54%	0	0	\$48,194
49-2011	Computer, Automated Teller, and Office Machine Repairers	0.54%	2	10	\$35,776
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	0.45%	0	3	\$34,133
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	0.00%	0	2	\$26,541
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	-0.89%	0	2	\$38,979
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	-1.48%	0	2	\$35,402
51-9081	Dental Laboratory Technicians	0.42%	0	4	\$39,707
17-3012	Electrical and Electronics Drafters	1.22%	2	3	\$56,514
17-3023	Electrical and Electronics Engineering Technicians	0.99%	2	5	\$53,893

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	0.89%	2	4	\$60,757
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	-0.11%	0	6	\$69,077
51-2023	Electromechanical Equipment Assemblers	0.94%	0	0	\$40,227
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	-1.03%	0	3	\$42,286
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	-0.28%	0	4	\$34,694
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	0.61%	8	36	\$66,726
51-1011	First-Line Supervisors of Production and Operating Workers	0.12%	2	19	\$61,797
51-3092	Food Batchmakers	0.13%	0	10	NA
51-3093	Food Cooking Machine Operators and Tenders	0.21%	0	2	\$22,901
51-3099	Food Processing Workers, All Other	0.68%	1	2	NA
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	0.43%	0	1	\$40,019
51-8092	Gas Plant Operators	-1.47%	0	1	NA
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	0.42%	0	3	\$30,950
51-9198	Helpers--Production Workers	0.61%	4	12	\$24,586
17-3026	Industrial Engineering Technicians	1.08%	2	5	\$58,531
49-9041	Industrial Machinery Mechanics	1.18%	11	25	\$53,061
49-9099	Installation, Maintenance, and Repair Workers, All Other	0.87%	4	7	\$38,438
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	0.00%	0	0	\$29,619
49-9094	Locksmiths and Safe Repairers	0.54%	0	2	\$40,602
51-4041	Machinists	1.54%	11	15	\$50,731
49-9071	Maintenance and Repair Workers, General	1.04%	38	66	\$38,022
49-9043	Maintenance Workers, Machinery	1.65%	9	6	\$38,584
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	1.09%	53	116	\$22,776
17-3013	Mechanical Drafters	0.54%	1	2	\$52,062
17-3027	Mechanical Engineering Technicians	1.14%	2	3	\$50,565
51-9082	Medical Appliance Technicians	0.39%	0	1	\$35,006
49-9062	Medical Equipment Repairers	2.20%	3	3	NA
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	0.00%	0	2	\$31,990
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	2.79%	3	3	\$25,418
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	-0.44%	0	1	\$33,530
51-9083	Ophthalmic Laboratory Technicians	1.10%	0	1	\$27,997
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	0.43%	1	4	\$33,426
51-9122	Painters, Transportation Equipment	0.20%	0	3	\$43,202
51-9151	Photographic Process Workers and Processing Machine Operators	-0.62%	0	2	\$23,317

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
51-8012	Power Distributors and Dispatchers	-0.19%	0	3	\$76,107
51-8013	Power Plant Operators	-1.68%	0	1	\$63,274
49-9069	Precision Instrument and Equipment Repairers, All Other	-0.65%	0	4	\$53,373
51-9199	Production Workers, All Other	0.47%	0	2	NA
43-5061	Production, Planning, and Expediting Clerks	0.60%	4	17	\$45,510
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	0.18%	1	13	\$68,536
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	1.72%	2	2	\$43,576
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	0.24%	0	1	\$26,312
49-2098	Security and Fire Alarm Systems Installers	1.47%	3	4	\$49,774
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	-0.77%	0	6	\$35,214
51-3023	Slaughterers and Meat Packers	0.25%	1	10	\$21,694
51-2092	Team Assemblers	0.90%	5	8	\$28,517
51-6093	Upholsterers	-1.91%	0	1	\$33,717
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	1.06%	2	5	\$28,122
51-4121	Welders, Cutters, Solderers, and Brazers	1.12%	6	12	\$45,947
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	2.03%	0	0	\$36,254
Marketing, Sales, and Service					
11-2011	Advertising and Promotions Managers	-2.24%	0	2	\$131,435
41-3011	Advertising Sales Agents	-0.07%	0	9	\$51,896
41-2011	Cashiers	0.20%	22	484	\$20,862
41-2021	Counter and Rental Clerks	0.50%	6	29	\$32,178
41-9011	Demonstrators and Product Promoters	1.41%	3	6	\$31,533
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	-3.10%	0	2	\$26,229
53-3031	Driver/Sales Workers	0.79%	10	19	\$22,526
41-1012	First-Line Supervisors of Non-Retail Sales Workers	0.14%	1	11	\$88,026
41-1011	First-Line Supervisors of Retail Sales Workers	0.49%	25	107	\$43,264
13-1161	Market Research Analysts and Marketing Specialists	2.33%	49	26	\$80,579
11-2021	Marketing Managers	-0.14%	0	17	\$147,368
27-1026	Merchandise Displayers and Window Trimmers	0.70%	2	8	\$28,558
41-2022	Parts Salespersons	0.64%	6	21	\$30,992
11-9141	Property, Real Estate, and Community Association Managers	1.62%	15	19	\$60,674
11-2031	Public Relations and Fundraising Managers	0.29%	1	4	\$142,854
27-3031	Public Relations Specialists	0.93%	7	10	\$62,899
41-9022	Real Estate Sales Agents	2.13%	29	12	\$53,539
41-2031	Retail Salespersons	0.76%	125	545	\$24,274
41-9099	Sales and Related Workers, All Other	0.71%	2	6	\$37,170
11-2022	Sales Managers	0.21%	2	16	\$162,053

Occupation Projections by Career Cluster

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
41-3099	Sales Representatives, Services, All Other	1.43%	35	63	\$62,712
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1.00%	38	71	\$56,888
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	-0.22%	0	22	\$98,779
41-9041	Telemarketers	0.82%	3	6	\$29,952
13-1022	Wholesale and Retail Buyers, Except Farm Products	1.21%	3	6	\$56,930
Science, Technology, Engineering, and Mathematics					
11-9041	Architectural and Engineering Managers	0.42%	2	10	\$142,584
19-1021	Biochemists and Biophysicists	1.61%	4	7	\$96,054
19-1029	Biological Scientists, All Other	0.47%	0	1	\$75,358
17-1021	Cartographers and Photogrammetrists	2.39%	0	0	\$57,179
19-2031	Chemists	0.75%	25	85	\$90,834
15-1111	Computer and Information Research Scientists	1.08%	1	2	\$88,670
19-1031	Conservation Scientists	0.47%	0	2	\$51,043
17-2199	Engineers, All Other	0.45%	0	1	\$95,389
19-2041	Environmental Scientists and Specialists, Including Health	1.37%	6	12	\$60,341
19-2042	Geoscientists, Except Hydrologists and Geographers	1.57%	1	2	\$75,109
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	1.16%	0	1	\$90,854
19-2043	Hydrologists	1.18%	0	1	\$67,246
17-2112	Industrial Engineers	0.80%	5	17	\$93,870
19-2032	Materials Scientists	1.01%	1	3	\$82,680
15-2099	Mathematical Science Occupations, All Other	0.00%	0	0	NA
17-2141	Mechanical Engineers	0.82%	6	25	\$86,632
19-1022	Microbiologists	0.75%	1	5	\$56,971
19-4061	Social Science Research Assistants	0.96%	0	1	\$35,339
15-2041	Statisticians	1.84%	2	3	\$93,496
19-3022	Survey Researchers	0.57%	0	1	NA
Transportation, Distribution and Logistics					
49-3011	Aircraft Mechanics and Service Technicians	0.88%	3	9	\$57,325
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	1.43%	1	2	\$24,918
53-6031	Automotive and Watercraft Service Attendants	0.58%	1	7	\$20,259
49-3021	Automotive Body and Related Repairers	0.15%	1	7	\$41,558
49-3023	Automotive Service Technicians and Mechanics	0.18%	4	50	\$39,437
49-2091	Avionics Technicians	1.23%	1	1	\$54,184
49-3091	Bicycle Repairers	0.00%	0	0	\$22,069
43-3021	Billing and Posting Clerks	1.14%	25	39	\$34,632

SOC Code	Title of Occupation	Average Annual Growth Rate	Average Annual Openings due to Growth	Average Annual Openings due to Replacements	2012 Average Annual Wages
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	0.70%	3	9	\$45,053
53-3022	Bus Drivers, School or Special Client	0.80%	17	38	\$31,013
53-3021	Bus Drivers, Transit and Intercity	0.51%	2	7	\$36,400
53-5021	Captains, Mates, and Pilots of Water Vessels	-1.53%	0	2	\$76,149
43-5011	Cargo and Freight Agents	0.33%	0	1	\$41,579
53-7061	Cleaners of Vehicles and Equipment	0.32%	4	34	\$23,192
43-5021	Couriers and Messengers	-1.40%	0	4	\$29,390
43-5032	Dispatchers, Except Police, Fire, and Ambulance	0.91%	6	17	\$36,754
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	-0.34%	0	1	\$31,512
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	0.90%	4	13	\$49,920
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	0.81%	5	16	\$53,602
53-3032	Heavy and Tractor-Trailer Truck Drivers	1.14%	40	53	\$42,557
53-7051	Industrial Truck and Tractor Operators	-0.28%	0	24	\$32,094
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	0.82%	52	190	\$24,877
53-3033	Light Truck or Delivery Services Drivers	0.62%	17	42	\$35,859
53-4011	Locomotive Engineers	0.57%	0	1	\$59,405
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	0.97%	3	9	\$43,493
53-3099	Motor Vehicle Operators, All Other	0.96%	4	10	\$28,850
49-3051	Motorboat Mechanics and Service Technicians	0.18%	0	2	NA
49-3052	Motorcycle Mechanics	0.54%	0	1	\$41,766
53-7064	Packers and Packagers, Hand	0.41%	4	27	\$23,130
53-6021	Parking Lot Attendants	0.81%	4	21	\$20,987
53-4031	Railroad Conductors and Yardmasters	0.61%	0	1	\$69,118
47-4061	Rail-Track Laying and Maintenance Equipment Operators	1.00%	1	2	\$49,858
53-5011	Sailors and Marine Oilers	-1.39%	0	1	\$33,654
53-3041	Taxi Drivers and Chauffeurs	0.82%	6	8	\$26,354
49-3093	Tire Repairers and Changers	0.48%	0	4	\$26,270
53-6099	Transportation Workers, All Other	0.69%	0	2	\$35,256
11-3071	Transportation, Storage, and Distribution Managers	0.16%	0	7	\$110,261

Industry Projections

The overall growth rate of jobs in Delaware is projected to be 0.9 percent per year, on average, for the current projection period of 2012 – 2022. This is below the 1.1 percent projected for the 2010 – 2020 period, but above the 0.7 percent projected for the 2008 – 2018 period. The primary reason for these differences is the position of the base year in relation to the business cycle. The 2008 – 2018 projections were done during the Great Recession. While we did not know the full extent of the job losses at that time, we did know that 2008 represented a peak in the business cycle, thus lowering any rate of job growth based on that peak. The 2010 – 2020 projections were done when we thought the economy had entered a sustainable recovery. That was not a universal opinion at the time, but it has turned out to be true. The 2010 base year in those projections, being early in the recovery, led to faster projected job growth. The current projections’ base year of 2012 is two years further into an economic expansion of as yet undetermined length. It is certainly not a low point, and very likely not a high point, but somewhere in the mid-expansion range. This leads to a moderate average growth rate. It is important to stress that this is a ten year average; the current growth rate is more than double it, but there is a very high probability of another recession somewhere in the ten year projection frame which will bring the average down.

Another consideration in projecting long-term job growth rates is the expected population and labor force growth. There is not a direct relationship between the labor force and jobs, as the former is based on residency in the state and the latter on

working in the state. Given the small size of Delaware, there is a greater degree of commutation across state borders between home and work than in most states. These commutation patterns do change through time; where in the past there was a net inflow of workers into Delaware, there is now a net outflow.

Even when only considering Delaware residents working in-state, the relationship between working age population and jobs is not direct. There are two other measures which can vary the relationship between working age population and jobs: the unemployment rate, and the labor force participation rate. As the unemployment rate falls, a given labor force will account for a greater number of jobs. The average unemployment rate in Delaware during the base year of 2012 was 7.1 percent; for the projection year of 2022 we use an unemployment rate of 5 percent.

This expectation of a return to more normal unemployment levels increases the job projection by nearly 10,000.

The current population projections for Delaware residents 16 years old and older from the Delaware Population Consortium have growth of just under 0.5 percent per year during our projection period. Even after assuming the unemployment rate will fall to a

more normal level, there is one more assumption required to square that with our 0.9 percent annual job growth projection – a slight increase in the labor force participation rates for some age/gender categories.

The labor force participation rate, which is the number of people working or actively seeking work as a percentage of the population 16 and older, peaked in the late 1990’s due to a combination of demographic and economic factors. It was increasing prior to the Great Recession, declined dramatically during and after that event, and now appears to be increasing again. We break the labor force into 14 groups, based on age and gender, and project small increases for many of these groups by 2022 as the recession’s effects fade away. Due to an overall aging population, we do not expect the

Projected Net Job Growth by Industry Sector, 2022

Industry Sector	Net Job Growth
Health Care and Social Assistance	9980
Construction	5070
Finance and Insurance	4440
Professional and Technical Services	3790
Accommodation and Food Services	3210
Retail Trade	2670
Administrative and Waste Services	2330
Educational Services	1950
Other Services, except Public Administration	1800
Government	1250
Wholesale Trade	1020
Transportation and Warehousing	990
Manufacturing	950
Arts, Entertainment, and Recreation	690
Real Estate and Rental and Leasing	530
Information	370
Utilities	-130
Agriculture, Forestry and Fishing	-330
Management of Companies and Enterprises	-2030

labor force participation rate to come close to equaling the late 1990's peak.

Health Care and Social Assistance, the state's top industry in terms of employment, is projected to add the most jobs over the next decade. The nearly 10,000 net new jobs projected are almost twice as many as the industry with the second-most projected growth, *Construction*. Although at the top of the current projections, the expected job gains in *Health Care and Social Assistance* are below what the industry experienced in the 1990's, when it added 11,400 jobs, and last decade, when 16,900 jobs were added.

Construction may be in a distant second place in terms of projected job gains, but it is easily first in growth rate, due to its much smaller size. Even with substantial job growth in the past two years and a projected

growth rate of nearly 2.5 percent per year through 2022, the total number of *Construction* jobs projected in 2022 would be more than 6,000 jobs below the peak employment in the state, which was in 2006.

After a decade of slowly declining employment, *Finance and Insurance* has begun adding jobs, something we project will continue, on average, through 2022. The more than 4,400 net new jobs are the third-highest projected for any industry, and the projected annual growth rate is above that of the overall economy for the first time in over a decade. This is one of the highest-paying industries in the state, so above average growth here will raise the overall state average wage.

Professional, Scientific, and Technical Services, another high-paying industry, is also projected to grow at

an above average pace. This industry includes scientific research, legal services, accounting, IT services, engineering, and design services. The nearly 3,800 net new jobs projected represents an average annual growth rate of just over 1.3 percent.

While most industries in the state are projected to grow, there are three where we are projecting job losses: *Agriculture, Forestry, and Fishing*; *Utilities*; and *Management of Companies and Enterprises*. The first two have long lagged overall job growth, due in large part to consolidation and productivity gains. The third has seen declining employment almost every year since its inception when the North American Industrial Classification System (NAICS) replaced the Standard Industrial Classification (SIC) in 2001.

Projected Annual Rate of Growth by Industry Sector, 2012–2022

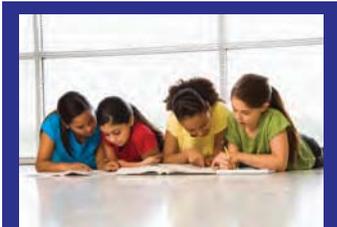


Table 3: Industry Projections

NAICS	Industry	2012	2022	2012-2022 Change	2012-2022 Annual Growth
	Total Employment, All Jobs	437,480	478,380	40,900	0.90%
	Total Self-Employed and Unpaid Family Workers, Primary Job	20,100	22,450	2,350	1.11%
	Self-Employed Workers, Primary Job	19,850	22,200	2,350	1.13%
	Unpaid Family Workers, Primary Job	250	250	0	0.00%
11	Agriculture, Forestry, Fishing	5,270	4,940	-330	-0.64%
111	Crop production	2,920	2,750	-170	-0.60%
112	Animal production	2,090	1,950	-140	-0.69%
115	Support activities for agriculture and forestry	260	240	-20	-0.80%
21	Mining	0	0		
22	Utilities	2,010	1,880	-130	-0.67%
23	Construction	18,530	23,600	5,070	2.45%
236	Construction of buildings	4,560	6,300	1,740	3.29%
237	Heavy and civil engineering construction	2,320	2,800	480	1.90%
238	Specialty trade contractors	11,650	14,500	2,850	2.21%
31	Manufacturing	25,690	26,640	950	0.36%
311	Food manufacturing	8,710	9,400	690	0.77%
312	Beverage and tobacco product manufacturing	250	330	80	2.82%
313	Textile mills	560	500	-60	-1.13%
314	Textile product mills	100	80	-20	-2.21%
315	Apparel manufacturing	150	100	-50	-3.97%
321	Wood product manufacturing	300	350	50	1.55%
322	Paper manufacturing	810	660	-150	-2.03%
323	Printing and related support activities	710	620	-90	-1.35%
324	Petroleum and coal products manufacturing	630	850	220	3.04%
325	Chemical manufacturing	2,620	2,200	-420	-1.73%
326	Plastics and rubber products manufacturing	1,590	1,700	110	0.67%
327	Nonmetallic mineral product manufacturing	530	650	120	2.06%
331	Primary metal manufacturing	640	350	-290	-5.86%
332	Fabricated metal product manufacturing	1,610	1,700	90	0.55%
333	Machinery manufacturing	650	750	100	1.44%
334	Computer and electronic product manufacturing	2,870	3,200	330	1.09%
335	Electrical equipment and appliance mfg.	630	800	170	2.42%
336	Transportation equipment manufacturing	620	800	180	2.58%
337	Furniture and related product manufacturing	620	550	-70	-1.19%
339	Miscellaneous manufacturing	1,090	1,050	-40	-0.37%

NAICS	Industry	2012	2022	2012-2022 Change	2012-2022 Annual Growth
42	Wholesale trade	12,480	13,500	1,020	0.79%
423	Merchant wholesalers, durable goods	5,050	5,400	350	0.67%
424	Merchant wholesalers, nondurable goods	5,250	5,600	350	0.65%
425	Electronic markets and agents and brokers	2,180	2,500	320	1.38%
44-45	Retail Trade	50,680	53,350	2,670	0.51%
441	Motor vehicle and parts dealers	6,480	6,900	420	0.63%
442	Furniture and home furnishings stores	1,910	2,100	190	0.95%
443	Electronics and appliance stores	1,990	2,200	210	1.01%
444	Building material and garden supply stores	4,390	4,900	510	1.11%
445	Food and beverage stores	9,060	9,500	440	0.48%
446	Health and personal care stores	3,530	4,100	570	1.51%
447	Gasoline stations	2,290	2,350	60	0.26%
448	Clothing and clothing accessories stores	5,650	5,950	300	0.52%
451	Sporting goods, hobby, book and music stores	1,630	1,700	70	0.42%
452	General merchandise stores	10,120	9,900	-220	-0.22%
453	Miscellaneous store retailers	2,620	2,850	230	0.84%
454	Nonstore retailers	1,010	900	-110	-1.15%
48-49	Transportation and Warehousing	12,220	13,210	990	0.78%
481	Air transportation	110	160	50	3.82%
482	Rail transportation	1,270	1,350	80	0.61%
484	Truck transportation	2,280	2,500	220	0.93%
485	Transit and ground passenger transportation	1,870	2,000	130	0.67%
488	Support activities for transportation	1,590	1,650	60	0.37%
491	Postal service	1,810	1,650	-160	-0.92%
492	Couriers and messengers	1,210	1,250	40	0.33%
493	Warehousing and storage	2,080	2,650	570	2.45%
51	Information	5,460	5,830	370	0.66%
511	Publishing industries, except Internet	910	800	-110	-1.28%
512	Motion picture and sound recording industries	300	280	-20	-0.69%
515	Broadcasting, except Internet	280	320	40	1.34%
517	Telecommunications	2,540	2,750	210	0.80%
518	ISPs, search portals, and data processing	1,140	1,350	210	1.71%
519	Other information services	290	330	40	1.30%
52	Finance and Insurance	37,140	41,580	4,440	1.14%
522	Credit intermediation and related activities	24,700	27,500	2,800	1.08%
523	Securities, commodity contracts, investments	5,270	6,100	830	1.47%
524	Insurance carriers and related activities	6,830	7,600	770	1.07%
525	Funds, trusts, and other financial vehicles	340	380	40	1.12%

NAICS	Industry	2012	2022	2012-2022 Change	2012-2022 Annual Growth
53	Real Estate and Rental and Leasing	5,420	5,950	530	0.94%
531	Real estate	4,160	4,650	490	1.12%
532	Rental and leasing services	1,260	1,300	40	0.31%
54	Professional and Technical Services	27,210	31,000	3,790	1.31%
55	Management of Companies and Enterprises	7,530	5,500	-2,030	-3.09%
56	Administrative and Waste Services	21,520	23,850	2,330	1.03%
561	Administrative and support services	20,340	22,500	2,160	1.01%
562	Waste management and remediation services	1,180	1,350	170	1.35%
61	Educational Services	33,450	35,400	1,950	0.57%
62	Health Care and Social Assistance	61,220	71,200	9,980	1.52%
621	Ambulatory health care services	18,600	22,000	3,400	1.69%
622	Hospitals	22,610	26,200	3,590	1.48%
623	Nursing and residential care facilities	10,380	12,000	1,620	1.46%
624	Social assistance	9,630	11,000	1,370	1.34%
71	Arts, Entertainment, and Recreation	8,490	9,180	690	0.78%
711	Performing arts and spectator sports	640	680	40	0.61%
712	Museums, historical sites, zoos, and parks	770	800	30	0.38%
713	Amusements, gambling, and recreation	7,080	7,700	620	0.84%
72	Accommodation and Food Services	35,090	38,300	3,210	0.88%
721	Accommodation	3,070	3,300	230	0.73%
722	Food services and drinking places	32,020	35,000	2,980	0.89%
81	Other Services, Except Public Administration	19,570	21,370	1,800	0.88%
811	Repair and maintenance	3,230	3,150	-80	-0.25%
812	Personal and laundry services	4,400	4,900	500	1.08%
813	Membership associations and organizations	11,450	12,800	1,350	1.12%
814	Private households	490	520	30	0.60%
	Government	28,400	29,650	1,250	0.43%
	Federal government, excluding postal service	3,800	3,900	100	0.26%
	State government, excluding education and hospitals	17,710	18,500	790	0.44%
	Local government, excluding education and hospitals	6,890	7,250	360	0.51%



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