

Delaware 2014

Occupation & Industry Projections

Office of Occupational & Labor Market Information
Delaware Department of Labor
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Table of Contents

Occupation Projections by Occupational Group.....	1
Occupation Projections by Career Clusters.....	22
Industry Projections	39

Introduction

Preparing for a career, or changing careers, typically involves a large investment of time, effort, and money. Before making that investment, you should try to ensure that it will pay off for you. Doing some research early on can increase your range of options and will enhance your chances of landing a job you find satisfying and rewarding.

The occupations which are in demand today may not be so hot in future years. Likewise, industries which currently show strong growth may be in decline later on, while those that are currently in a period of weakness may rebound in the future. Or not. While no one can know the future for sure, the professional economists at the Office of Occupational and Labor Market Information have put a great deal of time and effort into making sure the data and projections presented here are as reliable as possible. We think this will prove useful as one piece of information which can help you navigate the future economy.

Some occupations are concentrated in just a few industries; as those industries go, so go those jobs. For example, brickmasons are almost entirely employed in the construction industry. When construction slows down, as it does periodically, work may be scarce for awhile. Some occupations are found across many different industries, making it relatively easy to move across industries in the same type of position. Examples here would be administrative assistants or computer support specialists. Most occupations fall somewhere in between. In any event, it is much easier to have a career with upward mobility by riding a rising tide than by struggling against a receding one. The choices you make now can

either expand or limit your future employment options. This publication can help by pointing out which industries are likely to grow the fastest, which occupations are most likely to be in demand, which ones are likely to just float along, and which are in danger of sinking.

There will typically be a variety of occupations which suit your aptitudes and interests. The information presented here can help you choose between them. When combined with other sources of information, such as www.rileyguide.com, or the Career Services Center at the University of Delaware (www.udel.edu/CSC/guide.html), and with self-discovery aides, such as the *Delaware Career Compass*, it will help you chart a course, not just ride a current.



Occupation Projections by Occupational Group

In this section, we present job projections and associated data for 504 specific occupations in Delaware, listed by their major occupational groups. 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 2004, the projection of total filled jobs in 2014, the wage category, job availability, and usual education 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 2005 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.

For ease of comparison, this first section presents occupational wages by wage categories. To create the categories, we divided the 504 occupations into quintiles. One hundred and one occupations are in each category, except for the middle category, which contains 100 occupations. The wage categories are based on the 2005 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. More detailed wage distributions for these occupations can be obtained by contacting our office.

The lowest-paying 101 occupations (Low) paid below \$27,660 per year. The next lowest-paying 101 occupations, those in the Below Average category (-Avg.), had average wages between \$27,661 and \$33,890 per year. The middle category, Average (Avg.) paid from \$33,891 to \$43,650.

It is through actual expansion of employment within an occupation that potential entrants will find the most opportunity.

The second highest-paying category, Above Average (+Avg.), had average wages from \$43,651 to \$58,498, while the 101 highest-paying occupations (High) had average annual wages exceeding \$58,498.



The placement of occupations into job availability categories is based on the expected annual openings 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 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 4 annual openings due to growth projected; Good, with from 5 to 29 such openings; and Excellent (Excl), with 30 or more annual openings due to growth projected. There are 52 occupations with Excellent

Wage Categories

Wage Category	Abbreviation	2005 Average Annual Wage
Low	Low	Below \$27,660
Below Average	-Avg.	\$27,661 to \$33,890
Average	Avg.	\$33,891 to \$43,650
Above Average	+Avg.	\$43,651 to \$58,498
High	High	Above \$58,498

Wage by Level of Education 2005

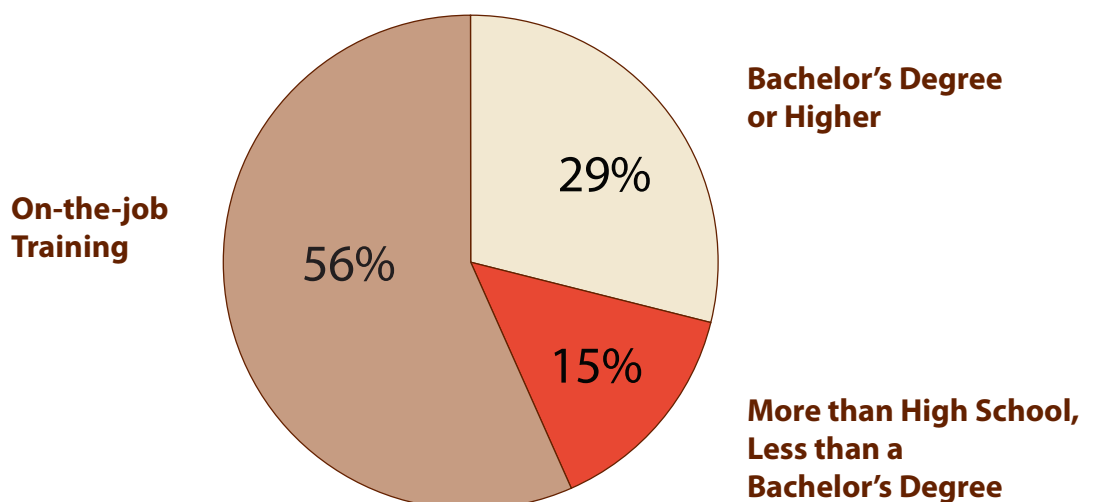
Abbreviation	Education/Training Category	2005 Average Wage
Prof	First professional degree	\$128,068
PhD	Doctoral degree	58,506
Mast	Master's degree	53,217
Bach+	Bachelor's or higher degree, plus work experience	88,198
Bach	Bachelor's degree	57,701
Assoc	Associate's degree	52,113
VocEd	Postsecondary vocational training	33,465
Exp	Work experience in a related occupation	50,300
LTOTJ	Long-term on-the-job training (over 12 months)	40,434
MOTJ	Moderate-term on-the-job training (1 to 12 months)	34,676
STOJT	Short-term on-the-job training (up to 1 month)	22,877

job availability, 214 in the Good category, 161 with Fair job availability prospects, and 77 in the Poor category.

The final data column contains the expected education or training to be fully qualified for the occupation. The 11 education/training categories are the product of the US Bureau of Labor Statistics (BLS), which is also responsible for the placement of occupations within the categories. The abbreviations for each category, along with the 2005 average wage for occupations falling within each category, are provided in the table above.

It is sometimes claimed that the majority of new jobs will require a college education. That is not yet true, even though the trend has been slowly moving in that direction. Of the new jobs projected by 2014, 44 percent of them require some postsecondary education. This is up from 41 percent in the 2002 to 2012 projection period. However, it is true to say that most of the good-paying jobs will require education beyond high school. Of the 202 occupations paying High or Above Average wages, only 23 do not require postsecondary education or prior work experience in a related occupation.

New Jobs Created by Level of Education 2004 – 2014

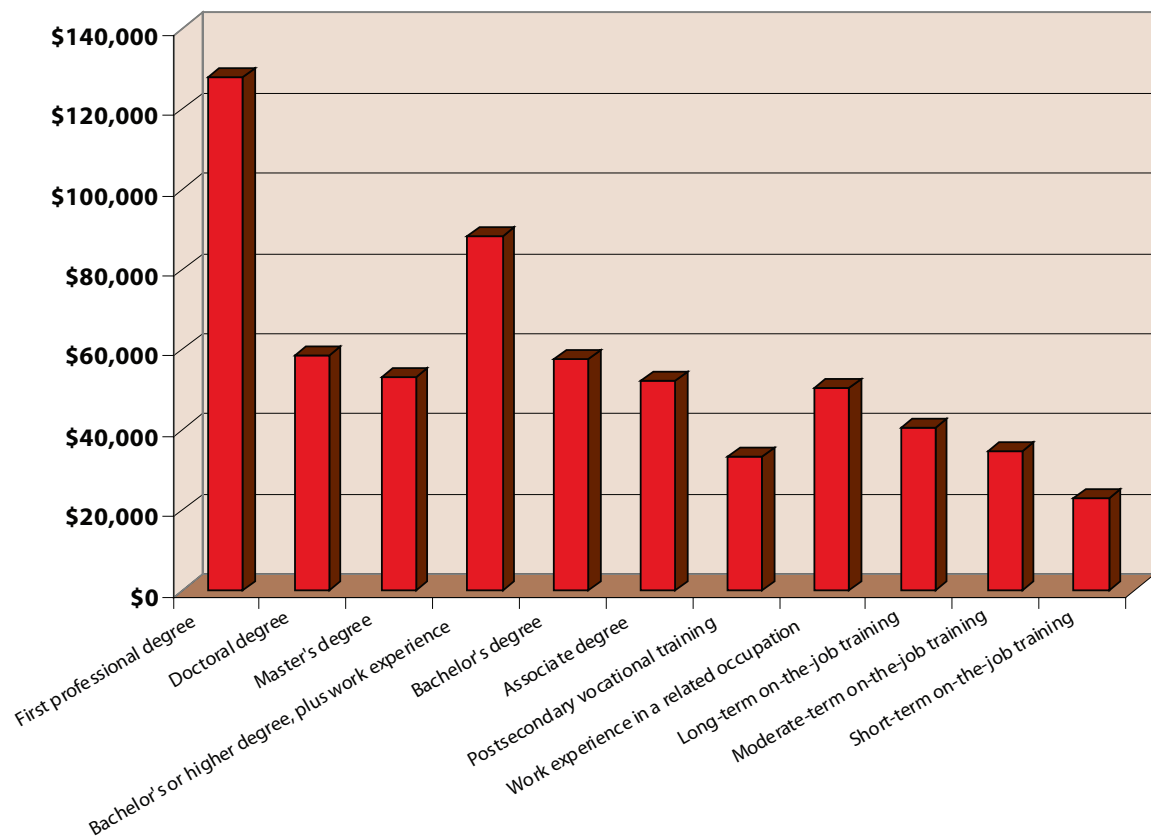


Projected Openings and Growth by Education Level 2004 – 2014

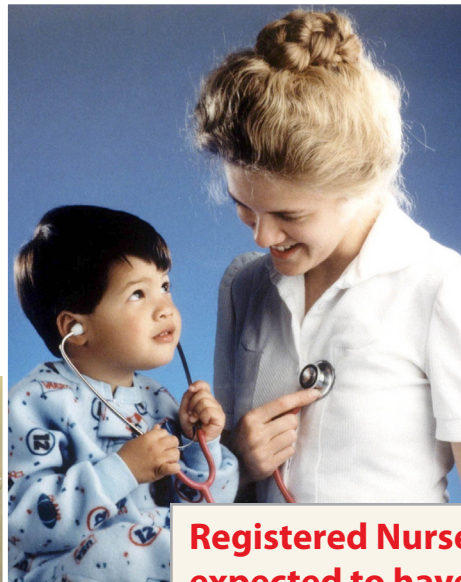
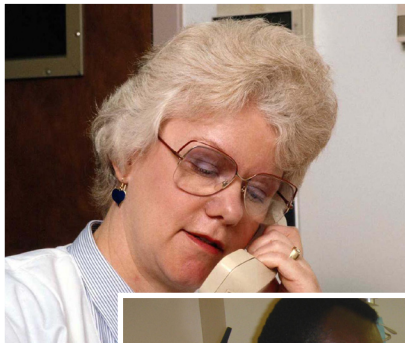
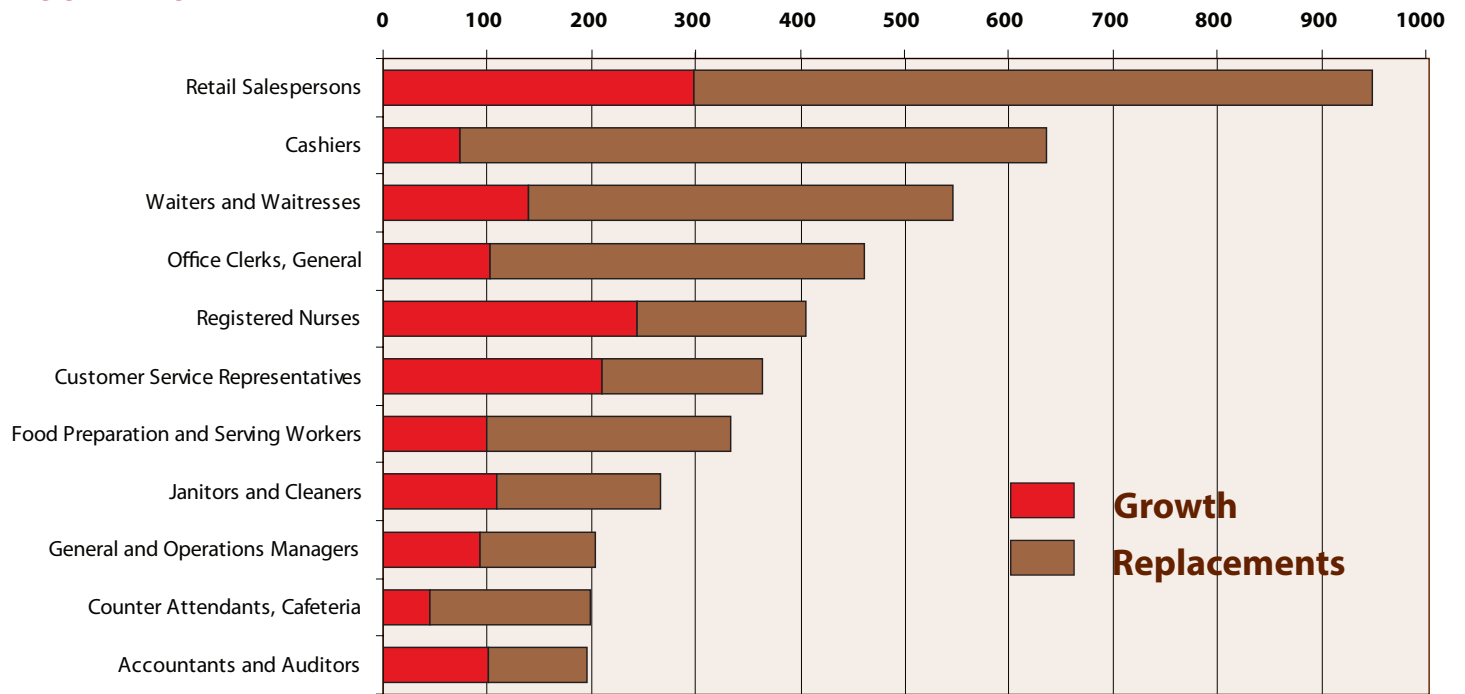
Education/Training Requirements	Total Openings 2004-2014	Percent of Total Openings	New Jobs	Annual Percent Growth
First professional degree	1,700	1.1%	855	1.4%
Doctoral degree	497	0.3%	261	2.3%
Master's degree	2,548	1.6%	1,292	1.9%
Bachelor's or higher degree, plus work experience	7,061	4.4%	3,479	1.7%
Bachelor's degree	19,601	12.3%	10,208	1.9%
Associate degree	7,172	4.5%	4,266	2.4%
Postsecondary vocational training	8,331	5.2%	3,838	1.6%
Work experience in a related occupation	9,247	5.8%	3,326	1.1%
Long-term on-the-job training	9,546	6.0%	3,967	1.5%
Moderate-term on-the-job training	24,198	15.2%	7,317	0.9%
Short-term on-the-job training	69,209	43.5%	16,790	1.0%

Wages by Level of Education 2005

As the table to the right shows, time and effort spent in obtaining education and skills pays dividends. The spike in average wages for those with a Bachelor's degree, plus work experience, is due mostly to Chief Executives and General and Operations Managers, people who have usually spent many years gaining specialized knowledge in their industries.



Occupations with the Most Annual Openings 2004 – 2014



Registered Nurses are expected to have 405 total openings annually between 2004 and 2014.

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
11-0000	Management Occupations					
11-1011	Chief Executives	980	1,150	High	Good	Bach+
11-1021	General and Operations Managers	5,870	6,800	High	Excl	Bach+
11-1031	Legislators	340	350	Avg.	Fair	Bach+
11-2021	Marketing Managers	600	720	High	Good	Bach+
11-2022	Sales Managers	820	980	High	Good	Bach+
11-3011	Administrative Services Managers	640	740	High	Good	Bach+
11-3021	Computer and Information Systems Managers	950	1,160	High	Good	Bach+
11-3041	Compensation and Benefits Managers	260	310	High	Fair	Bach+
11-3042	Training and Development Managers	140	170	High	Fair	Bach+
11-3049	Human Resources Managers, All Other	120	130	High	Fair	Bach+
11-3051	Industrial Production Managers	460	440	High	Poor	Exp
11-3061	Purchasing Managers	210	220	High	Fair	Bach+
11-3071	Transportation, Storage, and Distribution Managers	270	310	High	Fair	Exp
11-9021	Construction Managers	1,000	1,180	High	Good	Bach
11-9031	Education Administrators, Preschool and Child Care Center/Program	180	210	Avg.	Fair	Bach+
11-9032	Education Administrators, Elementary and Secondary School	520	590	High	Good	Bach+
11-9033	Education Administrators, Postsecondary	490	590	High	Good	Bach+
11-9039	Education Administrators, All Other	40	40	High	Fair	Bach+
11-9041	Engineering Managers	340	380	High	Fair	Bach+
11-9051	Food Service Managers	1,050	1,250	+Avg.	Good	Exp
11-9061	Funeral Directors	60	60	+Avg.	Fair	Assoc
11-9081	Lodging Managers	140	160	+Avg.	Fair	Exp
11-9111	Medical and Health Services Managers	890	1,090	High	Good	Bach+
11-9131	Postmasters and Mail Superintendents	50	50	High	Fair	Exp
11-9141	Property, Real Estate, and Community Association Managers	360	430	High	Good	Bach
11-9151	Social and Community Service Managers	530	640	+Avg.	Good	Bach
11-9199	Managers, All Other	1,050	1,220	High	Good	Exp
13-0000	Business and Financial Operations Occupations					
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	20	20	+Avg.	Fair	Bach+
13-1021	Purchasing Agents and Buyers, Farm Products	20	20	-Avg.	Fair	Exp
13-1022	Wholesale and Retail Buyers, Except Farm Products	310	360	+Avg.	Good	Exp

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	570	630	+Avg.	Good	Exp
13-1031	Claims Adjusters, Examiners, and Investigators	930	1,110	Avg.	Good	LTOTJ
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	790	920	+Avg.	Good	LTOTJ
13-1051	Cost Estimators	910	1,110	+Avg.	Good	Exp
13-1061	Emergency Management Specialists	20	20	High	Fair	Exp
13-1071	Employment, Recruitment, and Placement Specialists	940	1,170	+Avg.	Good	Bach
13-1072	Compensation, Benefits, and Job Analysis Specialists	500	600	+Avg.	Good	Bach
13-1073	Training and Development Specialists	1,230	1,500	+Avg.	Good	Bach
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	570	720	High	Good	Bach
13-1081	Logisticians	90	100	High	Fair	Bach
13-1111	Management Analysts	3,880	4,680	High	Excl	Bach+
13-1121	Meeting and Convention Planners	220	260	Avg.	Fair	Bach
13-1199	Business Operations Specialists, All Other	2,460	3,120	High	Excl	Bach
13-2011	Accountants and Auditors	5,010	6,010	+Avg.	Excl	Bach
13-2021	Appraisers and Assessors of Real Estate	80	100	Avg.	Fair	VocEd
13-2031	Budget Analysts	150	170	+Avg.	Fair	Bach
13-2052	Personal Financial Advisors	720	980	High	Good	Bach
13-2053	Insurance Underwriters	360	410	High	Fair	Bach
13-2061	Financial Examiners	100	120	High	Fair	Bach
13-2071	Loan Counselors	110	120	Avg.	Fair	Bach
13-2072	Loan Officers	930	1,010	High	Good	Bach
13-2081	Tax Examiners, Collectors, and Revenue Agents	150	180	+Avg.	Fair	Bach
13-2082	Tax Preparers	870	920	-Avg.	Good	MOTJ
13-2099	Financial Specialists, All Other	220	260	+Avg.	Fair	Bach
15-0000 Computer and Mathematical Occupations						
15-1021	Computer Programmers	1,730	1,690	High	Poor	Bach
15-1031	Computer Software Engineers, Applications	1,350	1,910	High	Excl	Bach
15-1032	Computer Software Engineers, Systems Software	450	630	High	Good	Bach
15-1041	Computer Support Specialists	2,090	2,480	+Avg.	Excl	Assoc
15-1051	Computer Systems Analysts	1,400	1,780	High	Excl	Bach
15-1061	Database Administrators	780	1,070	High	Good	Bach
15-1071	Network and Computer Systems Administrators	880	1,190	High	Excl	Bach

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
15-1081	Network Systems and Data Communications Analysts	1,290	2,000	High	Excl	Bach
15-1099	Computer Specialists, All Other	160	180	High	Fair	Assoc
15-2011	Actuaries	20	20	High	Fair	Bach+
15-2031	Operations Research Analysts	460	500	High	Fair	Mast
17-0000 Architecture and Engineering Occupations						
17-1011	Architects, Except Landscape and Naval	220	240	High	Fair	Bach
17-1022	Surveyors	380	440	Avg.	Good	Bach
17-2041	Chemical Engineers	600	650	High	Good	Bach
17-2051	Civil Engineers	740	830	High	Good	Bach
17-2071	Electrical Engineers	590	670	High	Good	Bach
17-2072	Electronics Engineers, Except Computer	110	140	High	Fair	Bach
17-2081	Environmental Engineers	130	160	High	Fair	Bach
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	140	150	High	Fair	Bach
17-2112	Industrial Engineers	670	820	High	Good	Bach
17-2131	Materials Engineers	20	20	High	Poor	Bach
17-2141	Mechanical Engineers	600	650	High	Fair	Bach
17-2199	Engineers, All Other	180	200	High	Fair	Bach
17-3011	Architectural and Civil Drafters	290	280	Avg.	Poor	VocEd
17-3012	Electrical and Electronics Drafters	230	240	+Avg.	Fair	VocEd
17-3013	Mechanical Drafters	220	230	High	Fair	VocEd
17-3022	Civil Engineering Technicians	250	260	Avg.	Fair	Assoc
17-3023	Electrical and Electronic Engineering Technicians	400	460	+Avg.	Good	Assoc
17-3025	Environmental Engineering Technicians	60	70	Avg.	Fair	Assoc
17-3026	Industrial Engineering Technicians	160	170	+Avg.	Fair	Assoc
17-3027	Mechanical Engineering Technicians	80	80	+Avg.	Fair	Assoc
17-3029	Engineering Technicians, Except Drafters, All Other	50	50	+Avg.	Fair	Assoc
17-3031	Surveying and Mapping Technicians	150	150	-Avg.	Fair	MOTJ
19-0000 Life, Physical, and Social Science Occupations						
19-1013	Soil and Plant Scientists	60	80	+Avg.	Fair	Bach
19-1023	Zoologists and Wildlife Biologists	10	20	High	Fair	Bach
19-1029	Biological Scientists, All Other	60	70	+Avg.	Fair	Bach
19-1031	Conservation Scientists	30	30	High	Fair	Bach

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
19-2012	Physicists	40	40	High	Fair	PhD
19-2031	Chemists	1,370	1,510	High	Good	Bach
19-2041	Environmental Scientists and Specialists, Including Health	330	380	+Avg.	Good	Mast
19-2042	Geoscientists, Except Hydrologists and Geographers	70	80	High	Fair	Mast
19-2043	Hydrologists	30	40	+Avg.	Fair	Mast
19-3011	Economists	60	70	High	Fair	Mast
19-3021	Market Research Analysts	820	980	High	Good	Bach
19-3022	Survey Researchers	10	10	-Avg.	Poor	Bach
19-3031	Clinical, Counseling, and School Psychologists	550	670	+Avg.	Good	PhD
19-3051	Urban and Regional Planners	120	150	+Avg.	Fair	Mast
19-3093	Historians	30	30	-Avg.	Fair	Mast
19-3099	Social Scientists and Related Workers, All Other	50	60	High	Fair	Mast
19-4011	Agricultural and Food Science Technicians	20	20	-Avg.	Fair	Assoc
19-4061	Social Science Research Assistants	60	60	Avg.	Fair	Assoc
19-4091	Environmental Science and Protection Technicians, Including Health	110	120	Avg.	Fair	Assoc
19-4092	Forensic Science Technicians	40	60	+Avg.	Fair	Assoc
21-0000 Community and Social Service Occupations						
21-1011	Substance Abuse and Behavioral Disorder Counselors	290	340	Avg.	Good	Mast
21-1012	Educational, Vocational, and School Counselors	610	710	+Avg.	Good	Mast
21-1014	Mental Health Counselors	200	250	Avg.	Good	Mast
21-1015	Rehabilitation Counselors	500	600	Avg.	Good	Mast
21-1021	Child, Family, and School Social Workers	1,740	2,080	Avg.	Excl	Bach
21-1022	Medical and Public Health Social Workers	440	550	+Avg.	Good	Bach
21-1023	Mental Health and Substance Abuse Social Workers	470	590	Avg.	Good	Mast
21-1029	Social Workers, All Other	40	50	+Avg.	Fair	Bach
21-1091	Health Educators	150	180	+Avg.	Fair	Mast
21-1092	Probation Officers and Correctional Treatment Specialists	350	420	Avg.	Good	Bach
21-1093	Social and Human Service Assistants	750	920	-Avg.	Good	MOTJ
21-1099	Community and Social Service Specialists, All Other	800	1,070	-Avg.	Good	Bach

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
23-0000 Legal Occupations						
23-1011	Lawyers	2,720	3,020	High	Excl	Prof
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	60	70	High	Fair	Bach+
23-1022	Arbitrators, Mediators, and Conciliators	100	100	+Avg.	Fair	Bach+
23-1023	Judges, Magistrate Judges, and Magistrates	130	140	High	Fair	Bach+
23-2011	Paralegals and Legal Assistants	1,210	1,490	+Avg.	Good	Assoc
23-2091	Court Reporters	70	80	Avg.	Fair	VocEd
23-2092	Law Clerks	230	250	Avg.	Fair	Bach
23-2093	Title Examiners, Abstractors, and Searchers	240	240	-Avg.	Poor	MOTJ
23-2099	Legal Support Workers, All Other	140	160	Avg.	Fair	Bach
25-0000 Education, Training, and Library Occupations						
25-1011	Business Teachers, Postsecondary	210	280	High	Good	Mast
25-1021	Computer Science Teachers, Postsecondary	100	130	High	Fair	Mast
25-1022	Mathematical Science Teachers, Postsecondary	150	200	High	Fair	Mast
25-1066	Psychology Teachers, Postsecondary	60	80	High	Fair	PhD
25-1072	Nursing Instructors and Teachers, Postsecondary	100	120	High	Fair	PhD
25-1081	Education Teachers, Postsecondary	180	230	+Avg.	Good	PhD
25-1121	Art, Drama, and Music Teachers, Postsecondary	130	170	High	Fair	Mast
25-1123	English Language and Literature Teachers, Postsecondary	190	250	High	Good	Mast
25-1194	Vocational Education Teachers, Postsecondary	1,200	1,520	+Avg.	Excl	Bach+
25-1199	Postsecondary Teachers, All Other	120	160	High	Fair	PhD
25-2011	Preschool Teachers, Except Special Education	1,330	1,600	Low	Good	VocEd
25-2012	Kindergarten Teachers, Except Special Education	390	470	Avg.	Good	Bach
25-2021	Elementary School Teachers, Except Special Education	4,310	4,990	+Avg.	Excl	Bach
25-2022	Middle School Teachers, Except Special and Vocational Education	1,000	1,100	+Avg.	Good	Bach
25-2023	Vocational Education Teachers, Middle School	30	30	+Avg.	Fair	Bach+
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,460	1,640	+Avg.	Good	Bach
25-2032	Vocational Education Teachers, Secondary School	450	510	+Avg.	Good	Bach+
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	580	720	+Avg.	Good	Bach
25-2042	Special Education Teachers, Middle School	300	370	+Avg.	Good	Bach
25-2043	Special Education Teachers, Secondary School	440	520	+Avg.	Good	Bach
25-3021	Self-Enrichment Education Teachers	1,110	1,360	Avg.	Good	Exp

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
25-3099	Teachers and Instructors, All Other	1,110	1,460	Avg.	Excl	Bach
25-4011	Archivists	30	40	Avg.	Fair	Mast
25-4012	Curators	50	50	+Avg.	Fair	Mast
25-4013	Museum Technicians and Conservators	40	40	Avg.	Fair	Mast
25-4021	Librarians	400	430	+Avg.	Fair	Mast
25-4031	Library Technicians	320	370	-Avg.	Fair	VocEd
25-9011	Audio-Visual Collections Specialists	10	10	Avg.	Fair	MOTJ
25-9031	Instructional Coordinators	380	480	+Avg.	Good	Mast
25-9041	Teacher Assistants	3,570	4,190	Low	Excl	STOJT
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations						
27-1011	Art Directors	120	130	High	Fair	Bach+
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	70	90	Low	Fair	LTOTJ
27-1021	Commercial and Industrial Designers	100	110	Avg.	Fair	Bach
27-1023	Floral Designers	270	300	Low	Fair	MOTJ
27-1024	Graphic Designers	480	540	+Avg.	Good	Bach
27-1025	Interior Designers	150	170	+Avg.	Fair	Assoc
27-1026	Merchandise Displayers and Window Trimmers	170	180	Low	Fair	MOTJ
27-1027	Set and Exhibit Designers	70	80	Avg.	Fair	Bach
27-2021	Athletes and Sports Competitors	20	20	+Avg.	Fair	LTOTJ
27-2022	Coaches and Scouts	660	780	-Avg.	Good	LTOTJ
27-2041	Music Directors and Composers	20	20	+Avg.	Fair	Bach+
27-3011	Radio and Television Announcers	90	90	-Avg.	Fair	LTOTJ
27-3012	Public Address System and Other Announcers	20	30	Avg.	Fair	LTOTJ
27-3031	Public Relations Specialists	460	560	+Avg.	Good	Bach
27-3041	Editors	250	280	+Avg.	Fair	Bach
27-3042	Technical Writers	110	130	+Avg.	Fair	Bach
27-3043	Writers and Authors	230	300	+Avg.	Good	Bach
27-3091	Interpreters and Translators	30	40	+Avg.	Fair	LTOTJ
27-4011	Audio and Video Equipment Technicians	410	460	Avg.	Good	LTOTJ
27-4012	Broadcast Technicians	160	190	Avg.	Fair	Assoc
27-4013	Radio Operators	100	100	-Avg.	Poor	MOTJ
27-4021	Photographers	280	300	-Avg.	Fair	LTOTJ

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
29-0000	Healthcare Practitioners and Technical Occupations					
29-1011	Chiropractors	130	160	High	Fair	Prof
29-1021	Dentists, General	360	380	High	Fair	Prof
29-1031	Dietitians and Nutritionists	130	160	+Avg.	Fair	Bach
29-1041	Optometrists	110	130	High	Fair	Prof
29-1051	Pharmacists	550	720	High	Good	Prof
29-1062	Family and General Practitioners	310	370	High	Good	Prof
29-1063	Internists, General	230	280	High	Fair	Prof
29-1064	Obstetricians and Gynecologists	60	70	High	Fair	Prof
29-1067	Surgeons	320	380	High	Good	Prof
29-1069	Physicians and Surgeons, All Other	570	690	High	Good	Prof
29-1071	Physician Assistants	290	410	High	Good	Bach
29-1081	Podiatrists	80	90	High	Fair	Prof
29-1111	Registered Nurses	7,680	10,120	+Avg.	Excl	Assoc
29-1122	Occupational Therapists	470	600	+Avg.	Good	Mast
29-1123	Physical Therapists	420	560	High	Good	Mast
29-1125	Recreational Therapists	90	90	-Avg.	Fair	Bach
29-1126	Respiratory Therapists	270	360	+Avg.	Good	Assoc
29-1127	Speech-Language Pathologists	270	310	High	Fair	Mast
29-1131	Veterinarians	220	240	High	Fair	Prof
29-1199	Health Diagnosing and Treating Practitioners, All Other	180	230	High	Fair	Bach
29-2011	Medical and Clinical Laboratory Technologists	430	530	+Avg.	Good	Bach
29-2012	Medical and Clinical Laboratory Technicians	210	260	-Avg.	Good	Assoc
29-2021	Dental Hygienists	580	750	+Avg.	Good	Assoc
29-2032	Diagnostic Medical Sonographers	330	450	+Avg.	Good	Assoc
29-2033	Nuclear Medicine Technologists	60	70	High	Fair	Assoc
29-2034	Radiologic Technologists and Technicians	950	1,200	+Avg.	Good	Assoc
29-2041	Emergency Medical Technicians and Paramedics	600	770	Avg.	Good	VocEd
29-2052	Pharmacy Technicians	930	1,230	Low	Excl	MOTJ
29-2054	Respiratory Therapy Technicians	50	60	Avg.	Fair	Assoc
29-2055	Surgical Technologists	250	320	Avg.	Good	VocEd
29-2056	Veterinary Technologists and Technicians	180	220	Low	Fair	Assoc
29-2061	Licensed Practical and Licensed Vocational Nurses	1,700	1,960	Avg.	Good	VocEd
29-2071	Medical Records and Health Information Technicians	480	600	-Avg.	Good	Assoc
29-2081	Opticians, Dispensing	400	480	Low	Good	LTOTJ

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
29-2091	Orthotists and Prosthetists	30	40	High	Fair	Bach
29-2099	Health Technologists and Technicians, All Other	70	80	-Avg.	Fair	VocEd
29-9011	Occupational Health and Safety Specialists	170	200	High	Fair	Bach
29-9091	Athletic Trainers	30	30	Avg.	Fair	Bach
29-9099	Healthcare Practitioners and Technical Workers, All Other	260	340	-Avg.	Good	VocEd
31-0000 Healthcare Support Occupations						
31-1011	Home Health Aides	1,270	1,790	Low	Excl	STOJT
31-1012	Nursing Aides, Orderlies, and Attendants	4,720	5,750	Low	Excl	VocEd
31-2021	Physical Therapist Assistants	220	300	Avg.	Good	Assoc
31-2022	Physical Therapist Aides	170	210	-Avg.	Fair	STOJT
31-9011	Massage Therapists	200	250	Avg.	Good	VocEd
31-9091	Dental Assistants	600	780	-Avg.	Good	MOTJ
31-9092	Medical Assistants	850	1,200	-Avg.	Excl	MOTJ
31-9093	Medical Equipment Preparers	190	230	Low	Fair	STOJT
31-9094	Medical Transcriptionists	240	300	-Avg.	Good	VocEd
31-9095	Pharmacy Aides	60	80	Low	Fair	STOJT
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	330	360	Low	Fair	STOJT
31-9099	Healthcare Support Workers, All Other	430	520	-Avg.	Good	STOJT
33-0000 Protective Service Occupations						
33-1011	First-Line Supervisors/Managers of Correctional Officers	20	30	High	Fair	Exp
33-1012	First-Line Supervisors/Managers of Police and Detectives	190	240	High	Fair	Exp
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	80	90	+Avg.	Fair	Exp
33-2021	Fire Inspectors and Investigators	10	10	-Avg.	Poor	Exp
33-2022	Forest Fire Inspectors and Prevention Specialists	100	100	Low	Fair	Exp
33-3011	Bailiffs	40	40	-Avg.	Fair	MOTJ
33-3012	Correctional Officers and Jailers	1,390	1,520	-Avg.	Good	MOTJ
33-3021	Detectives and Criminal Investigators	290	360	+Avg.	Good	Exp
33-3051	Police and Sheriff's Patrol Officers	1,710	2,050	+Avg.	Excl	LTOTJ
33-9011	Animal Control Workers	120	150	Low	Fair	MOTJ
33-9021	Private Detectives and Investigators	60	60	Avg.	Fair	Exp
33-9031	Gaming Surveillance Officers and Gaming Investigators	100	140	Low	Fair	MOTJ
33-9032	Security Guards	3,130	3,250	Low	Good	STOJT

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
33-9091	Crossing Guards	190	220	-Avg.	Fair	STOJT
33-9099	Protective Service Workers, All Other	160	180	-Avg.	Fair	STOJT
35-0000	Food Preparation and Serving-Related Occupations					
35-1011	Chefs and Head Cooks	480	560	Avg.	Good	Exp
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	2,120	2,530	-Avg.	Excl	Exp
35-2011	Cooks, Fast Food	1,630	1,920	Low	Good	STOJT
35-2012	Cooks, Institution and Cafeteria	630	670	Low	Fair	MOTJ
35-2014	Cooks, Restaurant	2,170	2,570	Low	Excl	LTOTJ
35-2015	Cooks, Short Order	1,280	1,440	Low	Good	STOJT
35-2021	Food Preparation Workers	3,150	3,910	Low	Excl	STOJT
35-3011	Bartenders	1,500	1,750	Low	Good	STOJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	5,410	6,400	Low	Excl	STOJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	2,340	2,780	Low	Excl	STOJT
35-3031	Waiters and Waitresses	7,900	9,300	Low	Excl	STOJT
35-3041	Food Servers, Nonrestaurant	1,010	1,080	Low	Good	STOJT
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,380	1,610	Low	Good	STOJT
35-9021	Dishwashers	1,750	2,040	Low	Good	STOJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,250	1,480	Low	Good	STOJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations					
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	1,020	1,190	-Avg.	Good	Exp
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	530	610	+Avg.	Good	Exp
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	8,250	9,340	Low	Excl	STOJT
37-2012	Maids and Housekeeping Cleaners	2,650	3,010	Low	Excl	STOJT
37-2021	Pest Control Workers	170	190	-Avg.	Fair	MOTJ
37-3011	Landscaping and Groundskeeping Workers	3,110	3,550	Low	Excl	STOJT
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	390	430	-Avg.	Fair	MOTJ
37-3019	Grounds Maintenance Workers, All Other	20	20	-Avg.	Fair	STOJT

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
39-0000 Personal Care and Service Occupations						
39-1021	First-Line Supervisors/Managers of Personal Service Workers	410	480	Avg.	Good	Exp
39-2011	Animal Trainers	100	110	-Avg.	Fair	MOTJ
39-2021	Nonfarm Animal Caretakers	390	480	Low	Good	STOJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	130	170	Low	Fair	STOJT
39-3091	Amusement and Recreation Attendants	420	520	Low	Good	STOJT
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	40	50	Low	Fair	STOJT
39-4011	Embalmers	40	50	Avg.	Fair	VocEd
39-4021	Funeral Attendants	130	160	Low	Fair	STOJT
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,700	2,040	-Avg.	Excl	VocEd
39-5093	Shampooers	310	370	Low	Good	STOJT
39-5094	Skin Care Specialists	60	70	-Avg.	Fair	VocEd
39-6011	Baggage Porters and Bellhops	40	50	Low	Fair	STOJT
39-6012	Concierges	20	20	Low	Fair	MOTJ
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	40	40	Low	Fair	STOJT
39-9011	Child Care Workers	2,640	3,080	Low	Excl	STOJT
39-9031	Fitness Trainers and Aerobics Instructors	1,100	1,310	Low	Good	VocEd
39-9032	Recreation Workers	1,250	1,480	Low	Good	STOJT
39-9041	Residential Advisors	130	160	Low	Fair	MOTJ
39-9099	Personal Care and Service Workers, All Other	70	80	+Avg.	Fair	STOJT
41-0000 Sales and Related Occupations						
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	4,000	4,410	+Avg.	Excl	Exp
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	930	990	High	Good	Exp
41-2011	Cashiers	11,560	12,290	Low	Excl	STOJT
41-2012	Gaming Change Persons and Booth Cashiers	520	690	Low	Good	STOJT
41-2021	Counter and Rental Clerks	1,180	1,440	Low	Good	STOJT
41-2022	Parts Salespersons	760	740	Low	Poor	MOTJ
41-2031	Retail Salespersons	17,890	20,860	Low	Excl	STOJT
41-3011	Advertising Sales Agents	360	410	High	Fair	MOTJ
41-3021	Insurance Sales Agents	1,750	1,990	+Avg.	Good	Bach
41-3031	Securities, Commodities, and Financial Services Sales Agents	770	940	High	Good	Bach

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
41-3041	Travel Agents	350	300	-Avg.	Poor	VocEd
41-3099	Sales Representatives, Services, All Other	1,090	1,320	+Avg.	Good	MOTJ
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	880	980	High	Good	MOTJ
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,520	4,070	+Avg.	Excl	MOTJ
41-9011	Demonstrators and Product Promoters	220	250	-Avg.	Fair	MOTJ
41-9021	Real Estate Brokers	400	440	High	Fair	Exp
41-9022	Real Estate Sales Agents	1,120	1,310	+Avg.	Good	VocEd
41-9031	Sales Engineers	40	40	High	Fair	Bach
41-9041	Telemarketers	2,110	1,940	Avg.	Poor	STOJT
41-9099	Sales and Related Workers, All Other	450	540	+Avg.	Good	MOTJ
43-0000 Office and Administrative Support Occupations						
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	4,970	5,240	+Avg.	Good	Exp
43-2011	Switchboard Operators, Including Answering Service	610	550	Low	Poor	STOJT
43-2021	Telephone Operators	80	60	-Avg.	Poor	STOJT
43-3011	Bill and Account Collectors	4,180	4,730	-Avg.	Excl	STOJT
43-3021	Billing and Posting Clerks and Machine Operators	1,990	1,950	-Avg.	Poor	MOTJ
43-3031	Bookkeeping, Accounting, and Auditing Clerks	6,250	6,610	-Avg.	Excl	MOTJ
43-3051	Payroll and Timekeeping Clerks	550	640	-Avg.	Good	MOTJ
43-3061	Procurement Clerks	160	160	Avg.	Poor	STOJT
43-3071	Tellers	1,960	2,120	Low	Good	STOJT
43-4021	Correspondence Clerks	20	20	-Avg.	Poor	STOJT
43-4031	Court, Municipal, and License Clerks	240	300	-Avg.	Good	STOJT
43-4041	Credit Authorizers, Checkers, and Clerks	1,200	670	-Avg.	Poor	STOJT
43-4051	Customer Service Representatives	10,260	12,350	-Avg.	Excl	MOTJ
43-4061	Eligibility Interviewers, Government Programs	100	100	-Avg.	Poor	MOTJ
43-4071	File Clerks	710	430	Low	Poor	STOJT
43-4081	Hotel, Motel, and Resort Desk Clerks	530	570	Low	Fair	STOJT
43-4111	Interviewers, Except Eligibility and Loan	440	540	Low	Good	STOJT
43-4121	Library Assistants, Clerical	80	90	Low	Fair	STOJT
43-4131	Loan Interviewers and Clerks	670	640	-Avg.	Poor	STOJT
43-4141	New Accounts Clerks	670	730	-Avg.	Good	Exp
43-4151	Order Clerks	580	460	-Avg.	Poor	STOJT

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43-4161	Human Resources Assistants, Except Payroll and Timekeeping	620	730	Avg.	Good	STOJT
43-4171	Receptionists and Information Clerks	3,630	4,230	Low	Excl	STOJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	30	40	-Avg.	Fair	STOJT
43-4199	Information and Record Clerks, All Other	470	440	Avg.	Poor	STOJT
43-5021	Couriers and Messengers	280	270	Low	Poor	STOJT
43-5031	Police, Fire, and Ambulance Dispatchers	230	270	Avg.	Fair	MOTJ
43-5032	Dispatchers, Except Police, Fire, and Ambulance	410	430	Avg.	Fair	MOTJ
43-5041	Meter Readers, Utilities	130	70	Avg.	Poor	STOJT
43-5051	Postal Service Clerks	250	260	+Avg.	Fair	STOJT
43-5052	Postal Service Mail Carriers	1,020	1,050	+Avg.	Fair	STOJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	630	640	Avg.	Fair	STOJT
43-5061	Production, Planning, and Expediting Clerks	770	820	Avg.	Good	STOJT
43-5071	Shipping, Receiving, and Traffic Clerks	2,040	2,130	Low	Good	STOJT
43-5081	Stock Clerks and Order Fillers	4,240	3,850	Low	Poor	STOJT
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	160	150	Low	Poor	STOJT
43-6011	Executive Secretaries and Administrative Assistants	6,210	6,870	Avg.	Excl	MOTJ
43-6012	Legal Secretaries	1,160	1,260	Avg.	Good	VocEd
43-6013	Medical Secretaries	1,450	1,600	-Avg.	Good	VocEd
43-6014	Secretaries, Except Legal, Medical, and Executive	4,200	4,110	-Avg.	Poor	MOTJ
43-9011	Computer Operators	650	430	-Avg.	Poor	MOTJ
43-9021	Data Entry Keyers	950	910	Low	Poor	MOTJ
43-9022	Word Processors and Typists	340	280	Avg.	Poor	MOTJ
43-9031	Desktop Publishers	30	40	Avg.	Fair	VocEd
43-9041	Insurance Claims and Policy Processing Clerks	740	800	-Avg.	Good	MOTJ
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	670	410	Low	Poor	STOJT
43-9061	Office Clerks, General	16,230	17,260	Low	Excl	STOJT
43-9071	Office Machine Operators, Except Computer	250	180	Low	Poor	STOJT
43-9081	Proofreaders and Copy Markers	30	30	-Avg.	Poor	STOJT
43-9199	Office and Administrative Support Workers, All Other	580	590	Avg.	Fair	STOJT

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45-0000	Farming, Fishing, and Forestry Occupations					
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	220	250	Avg.	Fair	Exp
45-2011	Agricultural Inspectors	100	110	-Avg.	Fair	Exp
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,290	2,310	Low	Fair	STOJT
45-2093	Farmworkers, Farm and Ranch Animals	400	420	Low	Fair	STOJT
45-4011	Forest and Conservation Workers	140	170	-Avg.	Fair	MOTJ
47-0000	Construction and Extraction Occupations					
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	1,700	1,970	High	Good	Exp
47-2011	Boilermakers	140	160	+Avg.	Fair	LTOTJ
47-2021	Brickmasons and Blockmasons	680	810	Avg.	Good	LTOTJ
47-2031	Carpenters	4,080	4,700	Avg.	Excl	LTOTJ
47-2041	Carpet Installers	380	450	Avg.	Good	MOTJ
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	100	120	-Avg.	Fair	MOTJ
47-2051	Cement Masons and Concrete Finishers	480	580	Avg.	Good	MOTJ
47-2061	Construction Laborers	4,150	4,590	Low	Excl	MOTJ
47-2071	Paving, Surfacing, and Tamping Equipment Operators	370	450	Avg.	Good	MOTJ
47-2073	Operating Engineers and Other Construction Equipment Operators	1,600	1,900	Avg.	Excl	MOTJ
47-2081	Drywall and Ceiling Tile Installers	130	150	Avg.	Fair	MOTJ
47-2111	Electricians	2,390	2,760	+Avg.	Excl	LTOTJ
47-2131	Insulation Workers, Floor, Ceiling, and Wall	180	190	-Avg.	Fair	MOTJ
47-2132	Insulation Workers, Mechanical	380	400	Avg.	Fair	MOTJ
47-2141	Painters, Construction and Maintenance	950	1,140	Avg.	Good	MOTJ
47-2151	Pipelayers	210	250	-Avg.	Fair	MOTJ
47-2152	Plumbers, Pipefitters, and Steamfitters	1,920	2,320	+Avg.	Excl	LTOTJ
47-2161	Plasterers and Stucco Masons	130	150	Avg.	Fair	LTOTJ
47-2181	Roofers	260	320	-Avg.	Good	MOTJ
47-2211	Sheet Metal Workers	610	690	Avg.	Good	LTOTJ
47-2221	Structural Iron and Steel Workers	250	290	Avg.	Fair	LTOTJ
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	80	100	-Avg.	Fair	STOJT
47-3012	Helpers--Carpenters	580	640	Low	Good	STOJT
47-3013	Helpers--Electricians	510	540	Low	Fair	STOJT

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47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	260	310	Low	Good	STOJT
47-3016	Helpers--Roofers	40	50	Low	Fair	STOJT
47-4011	Construction and Building Inspectors	230	290	Avg.	Good	Exp
47-4041	Hazardous Materials Removal Workers	190	220	Avg.	Fair	MOTJ
47-4051	Highway Maintenance Workers	70	90	Low	Fair	MOTJ
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	50	60	-Avg.	Fair	MOTJ
47-4099	Construction and Related Workers, All Other	70	70	-Avg.	Fair	MOTJ
49-0000 Installation, Maintenance, and Repair Occupations						
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	1,120	1,280	+Avg.	Good	Exp
49-2011	Computer, Automated Teller, and Office Machine Repairers	500	540	-Avg.	Fair	VocEd
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	310	380	+Avg.	Good	LTOTJ
49-2091	Avionics Technicians	50	50	+Avg.	Fair	VocEd
49-2092	Electric Motor, Power Tool, and Related Repairers	20	30	-Avg.	Fair	VocEd
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	60	60	+Avg.	Fair	VocEd
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	170	180	Avg.	Fair	VocEd
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	160	150	High	Poor	VocEd
49-2098	Security and Fire Alarm Systems Installers	110	130	Avg.	Fair	VocEd
49-3011	Aircraft Mechanics and Service Technicians	330	420	+Avg.	Good	VocEd
49-3021	Automotive Body and Related Repairers	580	660	Avg.	Good	LTOTJ
49-3023	Automotive Service Technicians and Mechanics	2,410	2,900	Avg.	Excl	VocEd
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	700	800	Avg.	Good	VocEd
49-3041	Farm Equipment Mechanics	110	120	-Avg.	Fair	VocEd
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	360	400	+Avg.	Fair	VocEd
49-3051	Motorboat Mechanics	70	90	-Avg.	Fair	LTOTJ
49-3052	Motorcycle Mechanics	90	100	-Avg.	Fair	LTOTJ
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	170	200	-Avg.	Fair	MOTJ
49-3092	Recreational Vehicle Service Technicians	60	70	-Avg.	Fair	LTOTJ
49-3093	Tire Repairers and Changers	120	130	Low	Fair	STOJT
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	130	130	+Avg.	Poor	MOTJ

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49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,210	1,560	Avg.	Excl	LTOTJ
49-9031	Home Appliance Repairers	230	240	-Avg.	Fair	LTOTJ
49-9041	Industrial Machinery Mechanics	610	600	+Avg.	Poor	LTOTJ
49-9042	Maintenance and Repair Workers, General	3,830	4,210	Avg.	Excl	MOTJ
49-9043	Maintenance Workers, Machinery	70	70	Avg.	Fair	STOJT
49-9044	Millwrights	190	210	+Avg.	Fair	LTOTJ
49-9052	Telecommunications Line Installers and Repairers	560	770	+Avg.	Good	LTOTJ
49-9062	Medical Equipment Repairers	50	60	-Avg.	Fair	Assoc
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	320	370	-Avg.	Fair	MOTJ
49-9094	Locksmiths and Safe Repairers	40	40	Avg.	Fair	MOTJ
49-9095	Manufactured Building and Mobile Home Installers	80	80	Low	Fair	MOTJ
49-9098	Helpers--Installation, Maintenance, and Repair Workers	610	730	Low	Good	STOJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	300	360	Avg.	Good	MOTJ
51-0000 Production Occupations						
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,440	1,400	+Avg.	Poor	Exp
51-2022	Electrical and Electronic Equipment Assemblers	100	110	-Avg.	Fair	STOJT
51-2041	Structural Metal Fabricators and Fitters	300	330	Avg.	Fair	MOTJ
51-2092	Team Assemblers	3,180	3,180	Avg.	Fair	MOTJ
51-3011	Bakers	480	590	Low	Good	LTOTJ
51-3021	Butchers and Meat Cutters	270	290	-Avg.	Fair	LTOTJ
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	3,090	3,310	Low	Good	STOJT
51-3092	Food Batchmakers	80	80	Low	Poor	STOJT
51-3093	Food Cooking Machine Operators and Tenders	100	110	Low	Fair	STOJT
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	90	80	Avg.	Poor	MOTJ
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	290	210	-Avg.	Poor	MOTJ
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	70	60	Avg.	Poor	MOTJ
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	280	190	-Avg.	Poor	MOTJ
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	150	120	-Avg.	Poor	MOTJ
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30	30	Avg.	Poor	MOTJ

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51-4041	Machinists	590	560	+Avg.	Poor	LTOTJ
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	60	50	-Avg.	Poor	MOTJ
51-4111	Tool and Die Makers	60	60	+Avg.	Poor	LTOTJ
51-4121	Welders, Cutters, Solderers, and Brazers	810	840	Avg.	Fair	LTOTJ
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	120	110	Avg.	Poor	MOTJ
51-5011	Bindery Workers	80	70	-Avg.	Poor	STOJT
51-5021	Job Printers	120	120	Avg.	Poor	LTOTJ
51-5022	Prepress Technicians and Workers	190	180	-Avg.	Poor	VocEd
51-5023	Printing Machine Operators	310	290	Avg.	Poor	MOTJ
51-6011	Laundry and Dry-Cleaning Workers	620	710	Low	Good	MOTJ
51-6021	Pressers, Textile, Garment, and Related Materials	160	180	Low	Fair	STOJT
51-6031	Sewing Machine Operators	270	170	Low	Poor	MOTJ
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20	20	Low	Poor	MOTJ
51-6093	Upholsterers	130	110	-Avg.	Poor	LTOTJ
51-7011	Cabinetmakers and Bench Carpenters	150	120	-Avg.	Poor	LTOTJ
51-7021	Furniture Finishers	30	20	Low	Poor	LTOTJ
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20	20	Low	Poor	MOTJ
51-8013	Power Plant Operators	170	160	High	Poor	LTOTJ
51-8021	Stationary Engineers and Boiler Operators	80	80	+Avg.	Poor	LTOTJ
51-8031	Water and Liquid Waste Treatment Plant and System Operators	250	290	Avg.	Fair	LTOTJ
51-9011	Chemical Equipment Operators and Tenders	410	340	Avg.	Poor	MOTJ
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	30	30	-Avg.	Fair	MOTJ
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	50	50	Low	Poor	MOTJ
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1,390	1,080	Avg.	Poor	MOTJ
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	50	50	-Avg.	Poor	MOTJ
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	670	600	-Avg.	Poor	MOTJ
51-9071	Jewelers and Precious Stone and Metal Workers	70	80	Avg.	Fair	VocEd
51-9081	Dental Laboratory Technicians	150	160	-Avg.	Fair	LTOTJ
51-9082	Medical Appliance Technicians	80	110	-Avg.	Fair	LTOTJ
51-9111	Packaging and Filling Machine Operators and Tenders	750	730	Low	Poor	STOJT
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	160	140	-Avg.	Poor	MOTJ

SOC Code	Title of Occupation	2004 Estimated Empl	2014 Projected Empl	Wage Cat	Job Availability	Training
51-9122	Painters, Transportation Equipment	100	120	Avg.	Fair	LTOTJ
51-9131	Photographic Process Workers	50	50	Low	Poor	MOTJ
51-9132	Photographic Processing Machine Operators	120	80	-Avg.	Poor	STOJT
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	160	140	-Avg.	Poor	MOTJ
51-9198	Helpers--Production Workers	4,340	4,460	Low	Good	STOJT
51-9199	Production Workers, All Other	440	420	-Avg.	Poor	MOTJ
53-0000 Transportation and Material Moving Occupations						
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	340	350	+Avg.	Fair	Exp
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	600	690	+Avg.	Good	Exp
53-2011	Airline Pilots, Copilots, and Flight Engineers	80	100	+Avg.	Fair	Bach
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	60	70	Low	Fair	MOTJ
53-3022	Bus Drivers, School	1,590	1,840	Low	Good	STOJT
53-3031	Driver/Sales Workers	1,200	1,430	Low	Good	STOJT
53-3032	Truck Drivers, Heavy and Tractor-Trailer	5,000	5,770	Avg.	Excl	MOTJ
53-3033	Truck Drivers, Light or Delivery Services	2,910	3,420	Low	Excl	STOJT
53-3041	Taxi Drivers and Chauffeurs	590	700	Low	Good	STOJT
53-3099	Motor Vehicle Operators, All Other	180	240	-Avg.	Good	STOJT
53-5021	Captains, Mates, and Pilots of Water Vessels	90	60	Avg.	Poor	Exp
53-6021	Parking Lot Attendants	300	270	Low	Poor	STOJT
53-6031	Service Station Attendants	50	50	Low	Poor	STOJT
53-6051	Transportation Inspectors	30	40	+Avg.	Fair	Exp
53-7021	Crane and Tower Operators	190	200	Avg.	Fair	LTOTJ
53-7032	Excavating and Loading Machine and Dragline Operators	210	250	-Avg.	Fair	MOTJ
53-7041	Hoist and Winch Operators	20	20	Avg.	Poor	MOTJ
53-7051	Industrial Truck and Tractor Operators	1,550	1,620	-Avg.	Good	STOJT
53-7061	Cleaners of Vehicles and Equipment	810	900	Low	Good	STOJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	5,170	5,400	Low	Good	STOJT
53-7064	Packers and Packagers, Hand	1,640	1,770	Low	Good	STOJT
53-7081	Refuse and Recyclable Material Collectors	520	520	-Avg.	Fair	STOJT
53-7121	Tank Car, Truck, and Ship Loaders	640	620	+Avg.	Poor	MOTJ
53-7199	Material Moving Workers, All Other	40	40	-Avg.	Poor	MOTJ

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 above; 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 2004 to 2014, average annual openings due to growth for that period, average annual openings due to net replacement of workers (the total expected job openings per average year would be the sum of these two numbers), and the estimated 2005 average annual wage. The SOC code can be used to refer back to the previous listing to find the usual education requirements for the occupation.

The Business Management and Administration cluster is expected to generate the most job openings, more than 28,000, while the Government and Public Administration cluster is

expected to generate the fewest, less than 800. This is not to say that government as an employer will grow the slowest; the great majority of jobs in government are to be found in other career clusters (for example, public school teachers are in the Education and Training cluster, while computer programmers who work for a government agency would be found in the Information Technology cluster).

Science, Technology, Engineering & Mathematics is the highest-paying cluster; its occupations paid an average wage of \$73,151 in 2005. Hospitality and Tourism had the lowest average wage; this cluster's occupations paid an average \$21,051 in 2005. Averages for all 16 career clusters can be found in the table below, along with their ranking among the 16 clusters.



Wages and Projected Openings, Growth by Career Cluster 2004 – 2014

Career Cluster	Average Wage 2005 (Rank)	Total Openings (Rank)	Pct. Total Openings	New Jobs	Ann. Pct. Growth
Agriculture, Food, & Natural Resources	\$27,968 (15th)	2,890 (13th)	1.8%	860	0.9%
Architecture & Construction	\$41,503 (7th)	10,230 (5th)	6.5%	4,460	1.5%
Arts, A/V Technology & Communications	\$41,049 (8th)	2,110 (15th)	1.3%	800	1.2%
Business Management & Administration	\$40,742 (9th)	28,070 (1st)	17.9%	10,720	1.0%
Education & Training	\$43,784 (6th)	8,320 (7th)	5.3%	3,890	1.7%
Finance	\$39,318 (10th)	7,420 (9th)	4.7%	2,450	0.8%
Government & Public Administration	\$48,561 (5th)	770 (16th)	0.5%	350	1.6%
Health Science	\$51,815 (4th)	13,470 (4th)	8.6%	8,060	2.4%
Hospitality & Tourism	\$21,051 (16th)	23,730 (3rd)	15.1%	7,600	1.6%
Human Services	\$35,447 (11th)	3,790 (12th)	2.4%	1,840	1.8%
Information Technology	\$64,307 (2nd)	4,960 (10th)	3.2%	3,170	2.1%
Law, Public Safety & Security	\$55,207 (3rd)	4,020 (11th)	2.6%	1,540	1.2%
Manufacturing	\$35,333 (12th)	8,230 (8th)	5.2%	1,430	0.1%
Marketing, Sales & Service	\$31,723 (14th)	26,550 (2nd)	16.9%	7,020	1.0%
Science, Technology, Engineering & Mathematics	\$73,151 (1st)	2,400 (14th)	1.5%	790	1.1%
Transportation, Distribution & Logistics	\$32,811 (13th)	9,940 (6th)	6.3%	3,350	1.1%

SOC Code	Title of Occupation	Ave Annual Growth Rate	Ave Annual Openings Due to Growth	Ave Annual Openings Due to Net Replacements	2005 Ave Annual Wage
Agriculture, Food, & Natural Resources					
19-4011	Agricultural and Food Science Technicians	0.4%	0	0	\$31,133
45-2011	Agricultural Inspectors	1.4%	2	2	\$31,234
39-2011	Animal Trainers	1.4%	2	2	\$29,488
19-1031	Conservation Scientists	1.1%	0	1	\$62,746
17-3025	Environmental Engineering Technicians	1.6%	1	1	\$38,133
17-2081	Environmental Engineers	1.9%	3	2	\$68,054
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	0.1%	2	65	\$21,355
45-2093	Farmworkers, Farm and Ranch Animals	0.3%	1	11	\$22,907
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	1.0%	2	5	\$41,133
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	1.4%	8	5	\$48,335
45-4011	Forest and Conservation Workers	2.0%	3	3	\$29,971
37-3011	Landscaping and Groundskeeping Workers	1.3%	44	68	\$23,898
39-2021	Nonfarm Animal Caretakers	2.1%	9	10	\$18,599
37-2021	Pest Control Workers	0.8%	1	3	\$31,223
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	0.9%	4	9	\$29,063
51-8013	Power Plant Operators	-0.7%	0	5	\$62,263
13-1021	Purchasing Agents and Buyers, Farm Products	1.1%	0	1	\$33,045
51-8021	Stationary Engineers and Boiler Operators	-0.1%	0	1	\$51,134
51-8031	Water and Liquid Waste Treatment Plant and System Operators	1.5%	4	9	\$38,923
19-1023	Zoologists and Wildlife Biologists	1.4%	0	0	\$63,509
Architecture & Construction					
17-1011	Architects, Except Landscape and Naval	1.1%	2	3	\$66,193
17-3011	Architectural and Civil Drafters	-0.5%	0	8	\$41,210
47-2021	Brickmasons and Blockmasons	1.7%	13	10	\$40,610
47-2031	Carpenters	1.4%	62	66	\$41,273
47-2051	Cement Masons and Concrete Finishers	1.9%	10	10	\$37,901
47-4011	Construction and Building Inspectors	2.2%	6	5	\$42,719
47-2061	Construction Laborers	1.0%	44	55	\$26,287
11-9021	Construction Managers	1.6%	17	18	\$91,219
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-0.3%	0	3	\$51,371
13-1051	Cost Estimators	2.0%	20	20	\$56,183

SOC Code	Title of Occupation	Ave Annual Growth Rate	Ave Annual Openings Due to Growth	Ave Annual Openings Due to Net Replacements	2005 Ave Annual Wage
53-7021	Crane and Tower Operators	0.8%	2	4	\$38,186
47-2081	Drywall and Ceiling Tile Installers	1.3%	2	3	\$38,113
17-3012	Electrical and Electronics Drafters	0.3%	1	6	\$57,789
47-2111	Electricians	1.4%	36	47	\$47,285
53-7032	Excavating and Loading Machine and Dragline Operators	1.7%	4	6	\$33,655
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	1.5%	27	29	\$60,401
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	2.0%	2	2	\$33,872
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2.6%	35	16	\$36,689
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	1.6%	1	3	\$28,819
47-3012	Helpers--Carpenters	1.0%	6	24	\$22,907
47-3013	Helpers--Electricians	0.7%	4	21	\$27,020
49-9098	Helpers--Installation, Maintenance, and Repair Workers	1.8%	12	21	\$24,713
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	1.9%	5	11	\$26,082
47-3016	Helpers--Roofers	1.8%	1	2	\$22,480
47-4051	Highway Maintenance Workers	2.5%	2	1	\$27,275
53-7041	Hoist and Winch Operators	-0.6%	0	1	\$35,522
47-2131	Insulation Workers, Floor, Ceiling, and Wall	0.8%	1	5	\$30,683
47-2132	Insulation Workers, Mechanical	0.6%	2	11	\$36,322
17-3013	Mechanical Drafters	0.3%	1	6	\$60,480
43-5041	Meter Readers, Utilities	-6.1%	0	4	\$37,244
47-2073	Operating Engineers and Other Construction Equipment Operators	1.8%	31	41	\$38,140
47-2141	Painters, Construction and Maintenance	1.8%	19	15	\$36,161
47-2071	Paving, Surfacing, and Tamping Equipment Operators	1.8%	7	5	\$35,423
47-2151	Pipelayers	1.7%	4	5	\$33,117
47-2161	Plasterers and Stucco Masons	1.1%	2	2	\$40,616
47-2152	Plumbers, Pipefitters, and Steamfitters	1.9%	39	44	\$47,404
47-2181	Roofers	2.0%	6	6	\$30,521
49-2098	Security and Fire Alarm Systems Installers	1.4%	2	2	\$36,395
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	1.4%	1	1	\$30,136
47-2211	Sheet Metal Workers	1.3%	9	15	\$41,186
47-2221	Structural Iron and Steel Workers	1.6%	4	5	\$41,271
17-1022	Surveyors	1.5%	6	13	\$39,718

SOC Code	Title of Occupation	Ave Annual Growth Rate	Ave Annual Openings Due to Growth	Ave Annual Openings Due to Net Replacements	2005 Ave Annual Wage
Arts, A/V Technology & Communications					
25-4011	Archivists	1.1%	0	1	\$37,513
27-1011	Art Directors	0.8%	1	3	\$63,680
27-4011	Audio and Video Equipment Technicians	1.3%	5	10	\$34,138
25-9011	Audio-Visual Collections Specialists	1.8%	0	0	\$33,891
51-5011	Bindery Workers	-1.5%	0	2	\$28,349
27-4012	Broadcast Technicians	1.3%	2	4	\$42,551
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	1.2%	4	8	\$28,264
27-1021	Commercial and Industrial Designers	0.6%	1	1	\$43,510
25-4012	Curators	1.2%	1	1	\$51,771
43-9031	Desktop Publishers	1.8%	1	1	\$35,607
27-3041	Editors	1.1%	3	6	\$57,129
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	2.1%	2	2	\$26,559
27-1024	Graphic Designers	1.2%	6	6	\$45,128
51-5021	Job Printers	-0.3%	0	3	\$39,088
25-4021	Librarians	0.7%	3	10	\$50,989
25-4031	Library Technicians	1.3%	5	12	\$30,222
25-4013	Museum Technicians and Conservators	1.1%	0	1	\$41,024
27-2041	Music Directors and Composers	2.3%	0	0	\$51,683
27-4021	Photographers	0.7%	2	6	\$33,156
51-9131	Photographic Process Workers	-1.2%	0	1	\$22,319
51-5022	Prepress Technicians and Workers	-0.6%	0	5	\$31,904
51-5023	Printing Machine Operators	-0.7%	0	7	\$35,668
27-3012	Public Address System and Other Announcers	2.7%	1	1	\$41,022
27-3031	Public Relations Specialists	1.8%	9	7	\$47,248
27-3011	Radio and Television Announcers	0.2%	0	2	\$33,208
27-1027	Set and Exhibit Designers	1.4%	1	1	\$34,855
27-3042	Technical Writers	1.7%	2	3	\$54,576
49-9052	Telecommunications Line Installers and Repairers	3.2%	21	15	\$50,582
43-2021	Telephone Operators	-2.5%	0	2	\$32,763
39-3031	Ushers, Lobby Attendants, and Ticket Takers	2.2%	3	8	\$18,055
27-3043	Writers and Authors	2.6%	7	4	\$45,677

SOC Code	Title of Occupation	Ave Annual Growth Rate	Ave Annual Openings Due to Growth	Ave Annual Openings Due to Net Replacements	2005 Ave Annual Wage
Business Management & Administration					
13-2011	Accountants and Auditors	1.8%	101	95	\$53,623
11-3011	Administrative Services Managers	1.4%	10	13	\$70,015
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	2.4%	0	0	\$46,635
43-3021	Billing and Posting Clerks and Machine Operators	-0.2%	0	34	\$31,390
13-2031	Budget Analysts	1.7%	3	2	\$54,387
13-1199	Business Operations Specialists, All Other	2.4%	67	42	\$59,961
11-1011	Chief Executives	1.6%	17	19	\$140,391
13-1072	Compensation, Benefits, and Job Analysis Specialists	1.8%	10	8	\$53,750
43-4021	Correspondence Clerks	0.0%	0	1	\$31,482
43-5021	Couriers and Messengers	-0.5%	0	7	\$25,167
43-4051	Customer Service Representatives	1.9%	210	153	\$32,205
43-9021	Data Entry Keyers	-0.4%	0	23	\$25,181
13-1071	Employment, Recruitment, and Placement Specialists	2.2%	23	14	\$43,994
43-6011	Executive Secretaries and Administrative Assistants	1.0%	66	119	\$37,906
43-4071	File Clerks	-5.0%	0	21	\$23,668
13-2099	Financial Specialists, All Other	1.8%	4	4	\$49,592
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	0.5%	27	107	\$47,690
11-1021	General and Operations Managers	1.5%	93	111	\$95,762
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1.6%	11	13	\$36,406
11-3049	Human Resources Managers, All Other	1.2%	2	2	\$112,158
27-3091	Interpreters and Translators	1.9%	1	0	\$51,784
43-4111	Interviewers, Except Eligibility and Loan	2.2%	11	11	\$26,802
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1.2%	109	157	\$20,516
43-6012	Legal Secretaries	0.8%	10	22	\$40,357
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	-4.8%	0	20	\$24,780
13-1111	Management Analysts	1.9%	80	53	\$79,337
43-6013	Medical Secretaries	1.0%	15	28	\$28,917
43-9061	Office Clerks, General	0.6%	103	359	\$24,456
43-9071	Office Machine Operators, Except Computer	-3.4%	0	6	\$25,688
15-2031	Operations Research Analysts	0.8%	4	10	\$79,061
43-4151	Order Clerks	-2.4%	0	13	\$28,281
43-9081	Proofreaders and Copy Markers	0.0%	0	1	\$33,701
43-4171	Receptionists and Information Clerks	1.5%	60	89	\$24,181

SOC Code	Title of Occupation	Ave Annual Growth Rate	Ave Annual Openings Due to Growth	Ave Annual Openings Due to Net Replacements	2005 Ave Annual Wage
43-6014	Secretaries, Except Legal, Medical, and Executive	-0.2%	0	81	\$30,710
43-5071	Shipping, Receiving, and Traffic Clerks	0.4%	9	42	\$25,580
43-2011	Switchboard Operators, Including Answering Service	-1.1%	0	16	\$23,796
13-2082	Tax Preparers	0.6%	5	14	\$29,115
23-2093	Title Examiners, Abstractors, and Searchers	-0.1%	0	3	\$33,576
13-1073	Training and Development Specialists	2.0%	27	19	\$53,695
43-9022	Word Processors and Typists	-1.9%	0	7	\$36,075

Education & Training

25-1121	Art, Drama, and Music Teachers, Postsecondary	2.6%	4	3	\$63,837
25-1011	Business Teachers, Postsecondary	2.6%	6	5	\$82,759
25-1021	Computer Science Teachers, Postsecondary	2.6%	3	2	\$74,984
11-9039	Education Administrators, All Other	1.5%	1	1	\$79,849
11-9032	Education Administrators, Elementary and Secondary School	1.2%	7	13	\$88,887
11-9033	Education Administrators, Postsecondary	1.8%	10	12	\$85,728
11-9031	Education Administrators, Preschool and Child Care Center/ Program	1.4%	3	5	\$42,813
25-1081	Education Teachers, Postsecondary	2.6%	5	4	\$54,650
21-1012	Educational, Vocational, and School Counselors	1.5%	10	14	\$48,631
25-2021	Elementary School Teachers, Except Special Education	1.5%	68	95	\$45,325
25-1123	English Language and Literature Teachers, Postsecondary	2.7%	6	4	\$63,087
39-9031	Fitness Trainers and Aerobics Instructors	1.8%	21	25	\$25,432
21-1091	Health Educators	1.9%	3	3	\$46,415
25-9031	Instructional Coordinators	2.4%	10	6	\$53,263
25-2012	Kindergarten Teachers, Except Special Education	1.8%	8	5	\$41,106
43-4121	Library Assistants, Clerical	1.3%	1	3	\$27,272
25-1022	Mathematical Science Teachers, Postsecondary	2.7%	5	3	\$66,557
25-2022	Middle School Teachers, Except Special and Vocational Education	1.0%	10	22	\$46,657
25-1072	Nursing Instructors and Teachers, Postsecondary	2.6%	3	2	\$63,506
25-1199	Postsecondary Teachers, All Other	2.7%	4	3	\$58,837
25-2011	Preschool Teachers, Except Special Education	1.8%	27	16	\$26,010
25-1066	Psychology Teachers, Postsecondary	2.7%	2	1	\$60,993
25-2031	Secondary School Teachers, Except Special and Vocational Education	1.2%	19	41	\$46,766
25-3021	Self-Enrichment Education Teachers	2.1%	25	14	\$35,784

SOC Code	Title of Occupation	Ave Annual Growth Rate	Ave Annual Openings Due to Growth	Ave Annual Openings Due to Net Replacements	2005 Ave Annual Wage
25-2042	Special Education Teachers, Middle School	2.1%	7	7	\$48,502
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	2.3%	15	14	\$50,465
25-2043	Special Education Teachers, Secondary School	1.7%	8	11	\$52,892
25-9041	Teacher Assistants	1.6%	62	69	\$25,348
25-2023	Vocational Education Teachers, Middle School	0.7%	0	1	\$52,923
25-1194	Vocational Education Teachers, Postsecondary	2.4%	32	27	\$55,744
25-2032	Vocational Education Teachers, Secondary School	1.2%	6	13	\$50,286
Finance					
15-2011	Actuaries	1.4%	0	1	\$86,897
43-3011	Bill and Account Collectors	1.2%	55	79	\$32,078
43-3031	Bookkeeping, Accounting, and Auditing Clerks	0.6%	36	117	\$33,065
13-1031	Claims Adjusters, Examiners, and Investigators	1.8%	18	11	\$40,722
43-4041	Credit Authorizers, Checkers, and Clerks	-5.7%	0	23	\$30,649
19-3011	Economists	1.2%	1	2	\$94,939
13-2061	Financial Examiners	1.1%	1	2	\$67,268
43-9041	Insurance Claims and Policy Processing Clerks	0.7%	6	12	\$31,512
41-3021	Insurance Sales Agents	1.3%	23	42	\$56,330
13-2053	Insurance Underwriters	1.2%	5	7	\$60,474
13-2071	Loan Counselors	0.7%	1	2	\$34,079
43-4131	Loan Interviewers and Clerks	-0.5%	0	9	\$29,036
13-2072	Loan Officers	0.8%	7	15	\$58,499
19-3021	Market Research Analysts	1.8%	16	21	\$68,746
43-4141	New Accounts Clerks	0.9%	6	17	\$29,946
43-3051	Payroll and Timekeeping Clerks	1.5%	9	15	\$31,615
13-2052	Personal Financial Advisors	3.1%	26	9	\$66,024
43-3061	Procurement Clerks	-0.1%	0	4	\$38,015
41-3031	Securities, Commodities, and Financial Services Sales Agents	2.0%	17	9	\$70,768
19-3022	Survey Researchers	0.0%	0	0	\$31,159
13-2081	Tax Examiners, Collectors, and Revenue Agents	1.5%	2	4	\$57,338
43-3071	Tellers	0.8%	16	97	\$23,663

SOC Code	Title of Occupation	Ave Annual Growth Rate	Ave Annual Openings Due to Growth	Ave Annual Openings Due to Net Replacements	2005 Ave Annual Wage
Government & Public Administration					
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	1.5%	13	19	\$55,265
43-4031	Court, Municipal, and License Clerks	2.3%	6	5	\$30,753
13-1061	Emergency Management Specialists	2.9%	1	0	\$61,661
11-1031	Legislators	0.4%	2	4	\$35,047
11-9151	Social and Community Service Managers	1.9%	11	10	\$54,042
19-3051	Urban and Regional Planners	1.8%	2	4	\$51,740
Health Science					
29-9091	Athletic Trainers	1.8%	1	1	\$37,469
29-1011	Chiropractors	1.9%	3	3	\$122,684
31-9091	Dental Assistants	2.6%	18	17	\$32,351
29-2021	Dental Hygienists	2.6%	17	5	\$57,324
29-1021	Dentists, General	0.7%	2	6	\$154,590
29-2032	Diagnostic Medical Sonographers	2.9%	11	6	\$45,757
29-1031	Dietitians and Nutritionists	1.9%	3	3	\$47,448
39-4011	Embalmers	1.4%	1	1	\$39,002
29-2041	Emergency Medical Technicians and Paramedics	2.6%	17	7	\$34,402
29-1062	Family and General Practitioners	1.8%	6	4	\$133,105
29-1199	Health Diagnosing and Treating Practitioners, All Other	2.3%	5	4	\$134,137
31-9099	Healthcare Support Workers, All Other	2.1%	10	8	\$31,215
31-1011	Home Health Aides	3.5%	52	17	\$20,396
29-1063	Internists, General	1.8%	5	3	\$172,523
29-2061	Licensed Practical and Licensed Vocational Nurses	1.4%	25	37	\$42,640
31-9011	Massage Therapists	2.6%	6	4	\$41,984
29-2012	Medical and Clinical Laboratory Technicians	2.2%	5	6	\$30,589
29-2011	Medical and Clinical Laboratory Technologists	2.1%	10	12	\$47,332
11-9111	Medical and Health Services Managers	2.1%	21	17	\$74,239
31-9092	Medical Assistants	3.5%	35	16	\$28,136
31-9093	Medical Equipment Preparers	2.0%	4	4	\$27,218
29-2071	Medical Records and Health Information Technicians	2.2%	12	7	\$28,666
31-9094	Medical Transcriptionists	2.1%	6	5	\$31,262
29-2033	Nuclear Medicine Technologists	2.3%	2	1	\$59,823
31-1012	Nursing Aides, Orderlies, and Attendants	2.0%	103	62	\$23,698

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29-1064	Obstetricians and Gynecologists	1.7%	1	1	\$155,969
29-9011	Occupational Health and Safety Specialists	1.5%	3	4	\$58,605
29-1122	Occupational Therapists	2.5%	13	6	\$43,658
29-2081	Opticians, Dispensing	1.7%	8	7	\$25,068
29-1041	Optometrists	1.5%	2	3	\$125,293
29-2091	Orthotists and Prosthetists	3.4%	1	0	\$81,565
29-1051	Pharmacists	2.6%	16	11	\$88,240
31-9095	Pharmacy Aides	2.4%	2	1	\$21,192
29-2052	Pharmacy Technicians	2.9%	30	12	\$21,852
31-2022	Physical Therapist Aides	2.3%	4	3	\$29,330
31-2021	Physical Therapist Assistants	3.0%	8	4	\$39,809
29-1123	Physical Therapists	2.8%	13	4	\$63,120
29-1071	Physician Assistants	3.4%	12	5	\$71,205
29-1069	Physicians and Surgeons, All Other	1.9%	12	8	\$160,597
29-1081	Podiatrists	1.1%	1	2	\$109,388
29-2034	Radiologic Technologists and Technicians	2.4%	25	18	\$44,974
29-1125	Recreational Therapists	0.7%	1	2	\$32,614
29-1111	Registered Nurses	2.8%	244	161	\$58,238
29-1126	Respiratory Therapists	2.9%	9	9	\$50,983
29-2054	Respiratory Therapy Technicians	0.7%	0	1	\$39,436
29-1127	Speech-Language Pathologists	1.3%	4	7	\$60,333
29-1067	Surgeons	1.7%	6	4	\$170,189
29-2055	Surgical Technologists	2.7%	8	3	\$38,232
29-1131	Veterinarians	0.8%	2	5	\$84,106
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	0.8%	3	6	\$24,585
29-2056	Veterinary Technologists and Technicians	2.0%	4	2	\$27,566

Hospitality & Tourism

39-3091	Amusement and Recreation Attendants	2.2%	10	12	\$17,593
27-2021	Athletes and Sports Competitors	1.0%	0	0	\$45,120
39-6011	Baggage Porters and Bellhops	1.3%	1	1	\$15,898
35-3011	Bartenders	1.5%	25	59	\$18,323
35-1011	Chefs and Head Cooks	1.6%	8	14	\$35,732
27-2022	Coaches and Scouts	1.7%	12	13	\$33,177

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35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1.7%	100	234	\$17,248
39-6012	Concierges	2.1%	0	0	\$22,828
35-2011	Cooks, Fast Food	1.7%	29	50	\$17,982
35-2012	Cooks, Institution and Cafeteria	0.6%	4	20	\$23,798
35-2014	Cooks, Restaurant	1.7%	40	67	\$22,364
35-2015	Cooks, Short Order	1.2%	16	40	\$20,320
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1.8%	45	153	\$18,729
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1.6%	23	46	\$17,485
35-9021	Dishwashers	1.5%	29	59	\$16,210
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1.8%	41	50	\$30,213
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	1.6%	17	24	\$31,385
39-1021	First-Line Supervisors/Managers of Personal Service Workers	1.8%	8	10	\$38,312
35-2021	Food Preparation Workers	2.2%	76	111	\$18,267
35-3041	Food Servers, Nonrestaurant	0.7%	7	34	\$20,244
11-9051	Food Service Managers	1.8%	20	17	\$52,746
41-2012	Gaming Change Persons and Booth Cashiers	2.8%	17	26	\$21,858
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1.7%	23	40	\$16,685
43-4081	Hotel, Motel, and Resort Desk Clerks	0.7%	4	24	\$19,579
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	1.4%	1	1	\$19,828
11-9081	Lodging Managers	1.2%	2	2	\$50,633
37-2012	Maids and Housekeeping Cleaners	1.3%	36	56	\$17,859
13-1121	Meeting and Convention Planners	1.7%	4	5	\$41,987
39-9032	Recreation Workers	1.7%	23	29	\$23,156
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	1.2%	0	1	\$28,439
41-3041	Travel Agents	-1.7%	0	8	\$30,897
35-3031	Waiters and Waitresses	1.6%	140	407	\$17,214
Human Services					
23-1022	Arbitrators, Mediators, and Conciliators	0.8%	1	1	\$56,787
39-9011	Child Care Workers	1.5%	44	72	\$18,820
21-1021	Child, Family, and School Social Workers	1.8%	35	30	\$37,615
19-3031	Clinical, Counseling, and School Psychologists	2.0%	12	12	\$57,642

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11-3041	Compensation and Benefits Managers	1.6%	5	4	\$94,861
43-4061	Eligibility Interviewers, Government Programs	-0.6%	0	3	\$33,645
21-1022	Medical and Public Health Social Workers	2.2%	11	8	\$48,177
21-1023	Mental Health and Substance Abuse Social Workers	2.2%	12	8	\$38,363
21-1014	Mental Health Counselors	2.4%	5	5	\$36,969
21-1092	Probation Officers and Correctional Treatment Specialists	2.0%	7	6	\$40,371
21-1015	Rehabilitation Counselors	1.9%	10	11	\$35,769
39-9041	Residential Advisors	2.1%	3	3	\$24,311
21-1093	Social and Human Service Assistants	2.0%	17	13	\$28,207
21-1011	Substance Abuse and Behavioral Disorder Counselors	1.7%	5	7	\$35,124
11-3042	Training and Development Managers	2.0%	3	2	\$94,714
Information Technology					
11-3021	Computer and Information Systems Managers	2.0%	21	17	\$103,909
43-9011	Computer Operators	-4.0%	0	14	\$30,613
15-1021	Computer Programmers	-0.2%	0	41	\$69,306
15-1031	Computer Software Engineers, Applications	3.5%	56	13	\$75,658
15-1032	Computer Software Engineers, Systems Software	3.4%	18	4	\$73,465
15-1099	Computer Specialists, All Other	1.7%	3	2	\$70,000
15-1041	Computer Support Specialists	1.7%	39	26	\$50,689
15-1051	Computer Systems Analysts	2.4%	38	16	\$69,929
49-2011	Computer, Automated Teller, and Office Machine Repairers	0.8%	4	6	\$33,326
15-1061	Database Administrators	3.2%	29	8	\$66,474
15-1071	Network and Computer Systems Administrators	3.1%	32	10	\$63,266
15-1081	Network Systems and Data Communications Analysts	4.5%	71	15	\$59,456
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	2.0%	7	6	\$54,073
Law, Public Safety & Security					
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	1.7%	1	1	\$59,554
33-9011	Animal Control Workers	2.1%	3	8	\$17,840
33-3011	Bailiffs	1.7%	1	1	\$30,093
33-3012	Correctional Officers and Jailers	0.9%	13	29	\$32,180
23-2091	Court Reporters	1.3%	1	1	\$37,496
33-9091	Crossing Guards	1.2%	2	6	\$31,634

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33-3021	Detectives and Criminal Investigators	2.0%	6	8	\$54,227
33-2021	Fire Inspectors and Investigators	0.0%	0	0	\$33,543
33-1011	First-Line Supervisors/Managers of Correctional Officers	1.6%	0	1	\$63,623
33-1012	First-Line Supervisors/Managers of Police and Detectives	2.2%	5	6	\$74,706
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	0.8%	1	2	\$44,550
33-2022	Forest Fire Inspectors and Prevention Specialists	0.5%	1	3	\$26,717
33-9031	Gaming Surveillance Officers and Gaming Investigators	3.4%	4	2	\$26,607
23-1023	Judges, Magistrate Judges, and Magistrates	1.0%	1	2	\$116,845
23-2092	Law Clerks	0.8%	2	3	\$41,911
23-1011	Lawyers	1.1%	30	35	\$120,406
23-2011	Paralegals and Legal Assistants	2.1%	28	10	\$45,150
33-3051	Police and Sheriff's Patrol Officers	1.9%	35	44	\$49,310
43-5031	Police, Fire, and Ambulance Dispatchers	1.7%	4	5	\$34,391
33-9021	Private Detectives and Investigators	1.0%	1	1	\$35,398
33-9099	Protective Service Workers, All Other	1.0%	2	11	\$32,620
27-4013	Radio Operators	-0.4%	0	2	\$33,862
33-9032	Security Guards	0.4%	13	68	\$22,508
Manufacturing					
49-2091	Avionics Technicians	0.8%	0	1	\$44,312
51-3011	Bakers	1.9%	10	11	\$22,474
47-2011	Boilermakers	1.3%	2	5	\$55,403
51-7011	Cabinetmakers and Bench Carpenters	-1.9%	0	4	\$29,815
47-2041	Carpet Installers	1.7%	7	6	\$38,810
51-9011	Chemical Equipment Operators and Tenders	-1.8%	0	13	\$39,475
17-3022	Civil Engineering Technicians	0.6%	2	5	\$40,374
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	-1.5%	0	4	\$31,314
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	-1.5%	0	2	\$35,205
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	-0.6%	0	1	\$23,232
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	-0.6%	0	1	\$32,226
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	-3.7%	0	6	\$29,481
51-9081	Dental Laboratory Technicians	0.1%	0	3	\$31,343

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49-2092	Electric Motor, Power Tool, and Related Repairers	1.8%	0	1	\$27,931
17-3023	Electrical and Electronic Engineering Technicians	1.5%	6	8	\$51,234
51-2022	Electrical and Electronic Equipment Assemblers	0.7%	1	2	\$28,144
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	0.2%	0	1	\$45,616
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	0.9%	2	4	\$43,545
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	-3.2%	0	10	\$32,483
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	1.3%	15	28	\$57,608
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	-0.3%	0	30	\$57,331
51-3092	Food Batchmakers	0.0%	0	2	\$21,327
51-3093	Food Cooking Machine Operators and Tenders	1.0%	1	2	\$17,335
51-7021	Furniture Finishers	-1.7%	0	1	\$24,680
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	-1.9%	0	3	\$28,373
47-4041	Hazardous Materials Removal Workers	1.7%	3	5	\$34,690
51-9198	Helpers--Production Workers	0.3%	12	122	\$18,119
49-9031	Home Appliance Repairers	0.5%	1	6	\$29,208
17-3026	Industrial Engineering Technicians	0.4%	1	3	\$56,814
49-9041	Industrial Machinery Mechanics	-0.2%	0	12	\$48,608
11-3051	Industrial Production Managers	-0.4%	0	9	\$93,801
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-1.0%	0	15	\$33,676
49-9099	Installation, Maintenance, and Repair Workers, All Other	1.7%	6	7	\$36,687
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	-2.1%	0	1	\$37,813
49-9094	Locksmiths and Safe Repairers	0.7%	0	1	\$41,142
51-4041	Machinists	-0.5%	0	14	\$43,789
49-9042	Maintenance and Repair Workers, General	1.0%	38	74	\$34,372
49-9043	Maintenance Workers, Machinery	0.3%	0	2	\$35,963
49-9095	Manufactured Building and Mobile Home Installers	0.6%	1	2	\$25,402
17-3027	Mechanical Engineering Technicians	0.8%	1	2	\$57,215
51-9082	Medical Appliance Technicians	3.0%	3	2	\$32,492
49-9062	Medical Equipment Repairers	1.4%	1	1	\$30,136
49-9044	Millwrights	0.9%	2	5	\$51,393
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	-2.5%	0	36	\$37,038

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51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	-1.3%	0	4	\$31,285
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	-2.5%	0	1	\$32,209
51-9111	Packaging and Filling Machine Operators and Tenders	-0.3%	0	15	\$27,659
53-7064	Packers and Packagers, Hand	0.7%	13	31	\$18,527
51-9122	Painters, Transportation Equipment	1.9%	2	3	\$39,599
51-9132	Photographic Processing Machine Operators	-3.5%	0	3	\$28,417
51-9199	Production Workers, All Other	-0.4%	0	10	\$31,415
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	1.1%	6	14	\$53,054
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	-1.6%	0	2	\$39,231
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	-4.2%	0	1	\$26,615
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	0.4%	0	1	\$30,641
51-6031	Sewing Machine Operators	-4.2%	0	3	\$21,852
51-2041	Structural Metal Fabricators and Fitters	1.2%	4	7	\$35,508
51-2092	Team Assemblers	0.0%	0	82	\$36,522
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	-3.6%	0	1	\$22,600
51-4111	Tool and Die Makers	-0.5%	0	1	\$56,082
51-6093	Upholsterers	-1.6%	0	3	\$31,521
51-4121	Welders, Cutters, Solderers, and Brazers	0.4%	3	23	\$35,819
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-1.6%	0	4	\$38,551
Marketing, Sales & Service					
41-3011	Advertising Sales Agents	1.2%	5	7	\$70,925
13-2021	Appraisers and Assessors of Real Estate	2.1%	2	2	\$40,307
51-3021	Butchers and Meat Cutters	0.7%	2	6	\$31,925
41-2011	Cashiers	0.6%	73	563	\$18,018
41-2021	Counter and Rental Clerks	2.0%	26	45	\$24,063
41-9011	Demonstrators and Product Promoters	1.4%	3	5	\$31,858
53-3031	Driver/Sales Workers	1.8%	23	20	\$23,756
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	0.6%	6	18	\$66,468
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1.0%	41	72	\$46,146
27-1023	Floral Designers	1.1%	3	4	\$25,694
39-4021	Funeral Attendants	2.0%	3	3	\$24,629
11-9061	Funeral Directors	0.9%	1	2	\$56,712

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39-5012	Hairdressers, Hairstylists, and Cosmetologists	1.8%	34	33	\$30,232
27-1025	Interior Designers	1.1%	2	2	\$46,684
51-9071	Jewelers and Precious Stone and Metal Workers	2.3%	2	1	\$34,353
51-6011	Laundry and Dry-Cleaning Workers	1.3%	9	17	\$20,290
11-2021	Marketing Managers	1.9%	12	11	\$100,984
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	0.7%	22	68	\$18,379
27-1026	Merchandise Displayers and Window Trimmers	0.9%	2	2	\$21,128
53-6021	Parking Lot Attendants	-1.0%	0	9	\$18,507
41-2022	Parts Salespersons	-0.3%	0	22	\$27,294
39-9099	Personal Care and Service Workers, All Other	1.7%	1	1	\$46,219
51-6021	Pressers, Textile, Garment, and Related Materials	0.8%	1	3	\$21,446
11-9141	Property, Real Estate, and Community Association Managers	1.7%	7	7	\$67,285
11-3061	Purchasing Managers	0.6%	1	5	\$91,195
41-9021	Real Estate Brokers	0.9%	4	8	\$65,894
41-9022	Real Estate Sales Agents	1.6%	19	22	\$44,920
41-2031	Retail Salespersons	1.6%	298	650	\$24,744
41-9099	Sales and Related Workers, All Other	1.8%	9	9	\$43,945
41-9031	Sales Engineers	1.0%	0	1	\$75,753
11-2022	Sales Managers	1.9%	17	15	\$107,792
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1.5%	56	92	\$54,258
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1.1%	10	23	\$79,624
53-6031	Service Station Attendants	-0.6%	0	2	\$18,175
39-5093	Shampooers	1.8%	6	6	\$16,034
39-5094	Skin Care Specialists	1.7%	1	1	\$28,283
43-5081	Stock Clerks and Order Fillers	-1.0%	0	157	\$21,665
41-9041	Telemarketers	-0.8%	0	35	\$38,144
13-1022	Wholesale and Retail Buyers, Except Farm Products	1.6%	5	8	\$51,587
Science, Technology, Engineering & Mathematics					
17-2041	Chemical Engineers	0.9%	6	18	\$99,271
19-2031	Chemists	0.9%	13	45	\$73,118
17-2051	Civil Engineers	1.2%	9	12	\$64,102
17-2071	Electrical Engineers	1.3%	8	12	\$78,747

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17-2072	Electronics Engineers, Except Computer	2.2%	3	2	\$62,501
11-9041	Engineering Managers	0.9%	3	7	\$110,247
17-2199	Engineers, All Other	1.3%	3	3	\$75,640
19-4091	Environmental Science and Protection Technicians, Including Health	1.3%	2	3	\$35,756
19-2041	Environmental Scientists and Specialists, Including Health	1.5%	5	6	\$51,384
19-4092	Forensic Science Technicians	4.0%	2	1	\$45,666
19-2042	Geoscientists, Except Hydrologists and Geographers	1.3%	1	1	\$63,306
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	0.7%	1	3	\$66,697
19-3093	Historians	1.1%	0	1	\$28,989
19-2043	Hydrologists	2.8%	1	1	\$56,357
17-2112	Industrial Engineers	1.9%	14	16	\$79,275
17-2131	Materials Engineers	0.0%	0	1	\$61,514
17-2141	Mechanical Engineers	0.8%	5	17	\$81,125
19-2012	Physicists	0.8%	0	1	\$72,006
19-4061	Social Science Research Assistants	1.5%	1	1	\$38,103
19-3099	Social Scientists and Related Workers, All Other	1.3%	1	1	\$61,450
19-1013	Soil and Plant Scientists	1.9%	1	1	\$48,921
17-3031	Surveying and Mapping Technicians	0.3%	0	5	\$31,160
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	-0.9%	0	4	\$26,605
Transportation, Distribution & Logistics					
49-3011	Aircraft Mechanics and Service Technicians	2.6%	10	8	\$48,053
53-2011	Airline Pilots, Copilots, and Flight Engineers	3.2%	3	2	\$52,574
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	1.8%	1	1	\$20,630
49-3021	Automotive Body and Related Repairers	1.2%	8	12	\$37,575
49-3023	Automotive Service Technicians and Mechanics	1.9%	49	64	\$35,285
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1.4%	10	18	\$41,109
53-3022	Bus Drivers, School	1.5%	25	35	\$24,019
53-5021	Captains, Mates, and Pilots of Water Vessels	-3.4%	0	3	\$41,335
53-7061	Cleaners of Vehicles and Equipment	1.0%	8	28	\$19,750
43-5032	Dispatchers, Except Police, Fire, and Ambulance	0.5%	2	9	\$34,663
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	-1.2%	0	4	\$59,713

SOC Code	Title of Occupation	Ave Annual Growth Rate	Ave Annual Openings Due to Growth	Ave Annual Openings Due to Net Replacements	2005 Ave Annual Wage
49-3041	Farm Equipment Mechanics	0.3%	0	3	\$33,606
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	0.4%	1	8	\$43,732
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	1.5%	10	14	\$49,251
53-7051	Industrial Truck and Tractor Operators	0.4%	7	29	\$28,748
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	0.4%	23	169	\$24,452
13-1081	Logisticians	1.5%	1	1	\$65,555
53-7199	Material Moving Workers, All Other	-0.8%	0	1	\$28,302
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1.1%	4	8	\$44,093
53-3099	Motor Vehicle Operators, All Other	2.7%	6	3	\$33,523
49-3051	Motorboat Mechanics	2.2%	2	2	\$28,239
49-3052	Motorcycle Mechanics	1.7%	2	2	\$30,223
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	1.8%	3	4	\$30,501
43-5051	Postal Service Clerks	0.3%	1	7	\$44,968
43-5052	Postal Service Mail Carriers	0.3%	3	32	\$43,690
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	0.3%	2	17	\$42,171
11-9131	Postmasters and Mail Superintendents	0.4%	0	1	\$61,093
43-5061	Production, Planning, and Expediting Clerks	0.7%	6	19	\$40,277
49-3092	Recreational Vehicle Service Technicians	2.5%	2	3	\$31,598
53-7081	Refuse and Recyclable Material Collectors	0.1%	1	13	\$30,584
53-7121	Tank Car, Truck, and Ship Loaders	-0.3%	0	18	\$44,125
53-3041	Taxi Drivers and Chauffeurs	1.9%	12	5	\$22,154
49-3093	Tire Repairers and Changers	0.7%	1	5	\$23,825
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	1.5%	1	1	\$23,448
53-6051	Transportation Inspectors	0.9%	0	1	\$52,476
11-3071	Transportation, Storage, and Distribution Managers	1.4%	4	5	\$82,569
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1.4%	77	82	\$34,568
53-3033	Truck Drivers, Light or Delivery Services	1.6%	52	27	\$25,971

Industry Projections

Total employment in Delaware is projected to increase by 58,100 jobs from 2004 to 2014, an annual growth rate of 1.2 percent. This would represent a slowing of job growth from the previous 10-year period, when 60,970 jobs were added, an annual growth rate of 1.5 percent. This expected slowdown in job growth is consistent with the decrease in population projected by the Delaware Population Consortium. They project the increase in state residents age 16 and over to slow from 17.8 percent during the decade ended in 2004 to 13.7 percent the following ten years. Due to the aging population, the projected change in the population most commonly found in the labor force, those from 16 to 65, is even greater. There were 18.1 percent more Delaware residents between the ages of 16 and 65, inclusive, in 2004 compared to 1994. From 2004 to 2014, their number is projected to increase by 10 percent.

Industries which are expected to slow most noticeably include **Construction**, which had rapid growth averaging 3.7 percent per year from 1994 to 2004, **Information**, which grew at a 4.2 percent annual rate, and **Arts, Entertainment, and Recreation**, which grew at the fastest rate of all at 6 percent per year from 1994 through 2004. Much of the employment growth in this last industry was driven by the introduction of slot machines at the state's horse racing facilities; growth at such a rapid rate is unlikely to continue there through a second decade.

Health Care and Social Assistance is the industry projected to grow the fastest from 2004 to 2014. Its projected 2.0 percent annual growth is largely due to the expected increase in people over the age of 65. It is also the industry with the most job growth forecast. Employment is expected to increase by 10,500 in this industry by 2014. Average wages for workers employed in Health Care and Social Assistance are slightly below the overall state average, so the large relative increase in employment

expected should have little impact on average wages in the state.

Retail Trade is expected to add the second highest number of jobs, with 6,800 new filled positions anticipated by 2014. It is currently Delaware's largest industry in terms of employment; its projected job growth should be just enough to retain that position. In terms of the rate of job growth, Retail Trade should grow at the state's overall average rate, with many industries expected to outpace it. The average wage in Retail Trade is quite low, at just 55 percent of the state's overall average wage, but the retail sector expected to add the most jobs, **motor vehicle and parts dealers**,

Since then, mergers and acquisitions have reduced the number of jobs in this industry to about 37,000 in 2006. We expect this consolidation to continue in the near term, but forecast that employment will again be growing by 2014. Overall, Finance and Insurance is expected to grow at a modest 0.8 percent annual rate over the ten year projection period.

The state's third highest-paying industry, **Professional and Technical Services**, is projected to have solid average annual growth of 1.4 percent, adding 4,000 jobs by 2014. This industry includes **legal services, accounting services, architectural and engineering**



has an average wage close to the overall state average.

Delaware's two highest-paying industries, **Finance and Insurance** and **Utilities**, are expected to grow at slower than average rates, with Utilities actually projected to lose 200 jobs due to industry consolidation. Finance and Insurance, for years a major job creation engine in the state, peaked at 40,500 jobs in 1999, just under ten percent of Delaware's total nonfarm employment at that time.

services, and scientific research, among other sub-sectors. With a statewide annual average wage of over \$72,500 in 2005, it confounds the common perception that service jobs pay low wages.

Two service industries which do pay below-average wages, **Administrative and Waste Services** and **Accommodation and Food Services**, are each expected to grow by an average of 1.5 percent per year. **Administrative and support services**,

which includes call centers, janitorial, and landscaping services, will expand as businesses continue the process of contracting peripheral services to focus on their core businesses. **Food services and drinking places** is projected to add 5,000 jobs by 2014. While it is part of the state’s lowest-paying industry, tips are not included in the official figures, so the average worker makes out better than it would appear from the data.

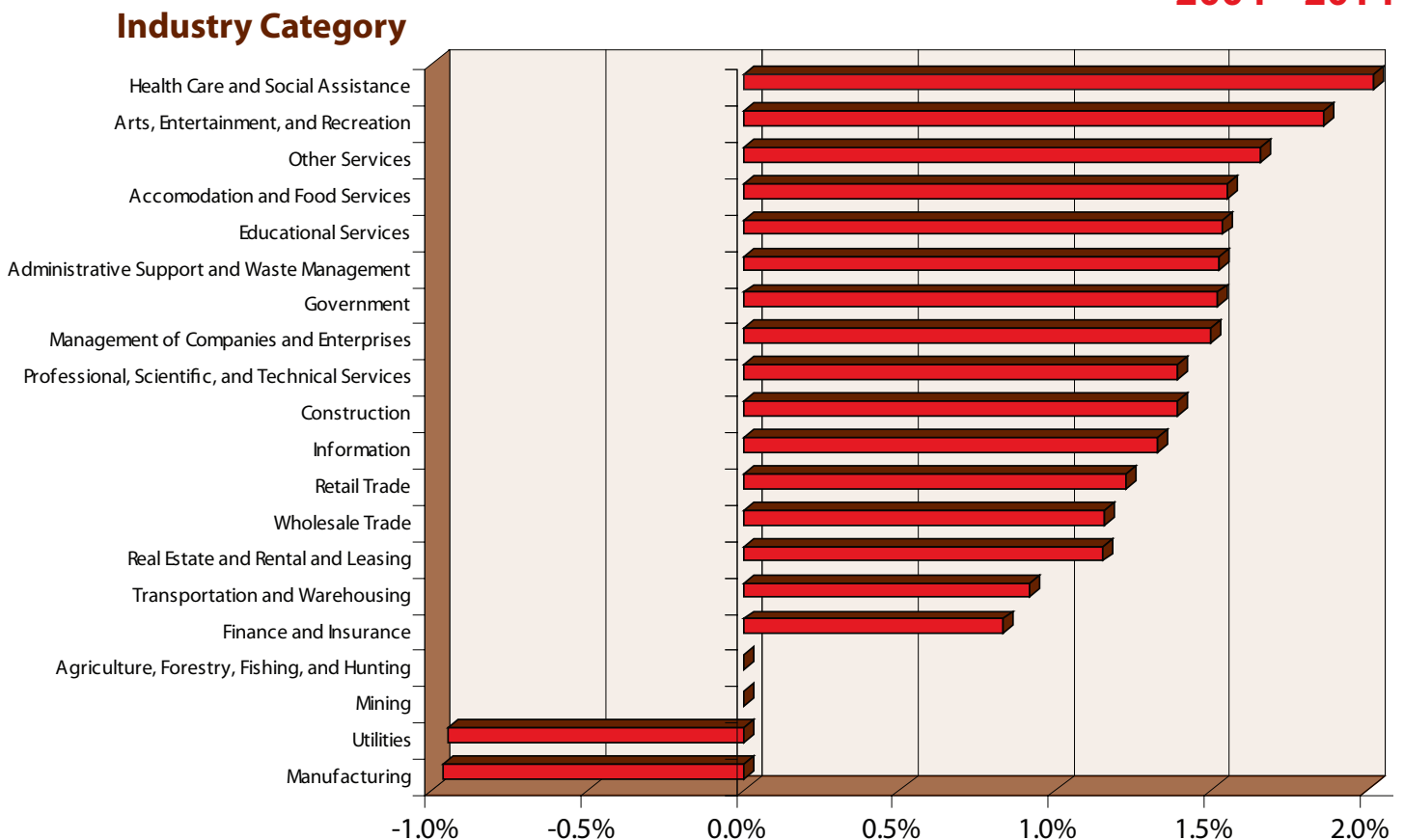
The industry **Other Services**, which is really a collection of service industries which don’t quite fit anywhere else, is forecast to grow at the above-average rate of 1.7 percent per year. Most of the jobs in Other Services will be added in **membership associations and organizations**, primarily **religious organizations**.

Educational Services is projected to grow by 4,700 jobs, an average annual rate of increase of 1.5 percent. This industry encompasses elementary schools through universities, both public and private, along with trade and technical schools. The Delaware Population Consortium is projecting an average annual increase of only 0.4 percent in the number of Delaware residents from 5 through 21 years of age, so our job forecast implies a reduction in student-teacher ratios, assuming enough of the industry’s new jobs are in the classroom.

The only two industries expected to show a net loss in jobs are **Utilities**, discussed above, and **Manufacturing**. This latter industry is projected to lose 3,200 jobs by 2014, an average decrease of one percent

per year. **Chemical manufacturing** accounts for nearly half of the expected decline; it is projected to fall by 1,400 jobs. It should be remembered that this refers to employment at sites which actually manufacture chemical products. Under the current industrial classification structure, job sites involved in research, management, or other non-manufacturing functions are classified in industries other than manufacturing, even when the firm’s main line of business is manufacturing. Traditionally, Delaware’s chemical manufacturing firms have done much of their actual manufacturing out of state, with many of the management functions within the state. These are now a separate industry, **Management of Companies and Enterprises**. We forecast that employment in this industry will grow by 2,000, an average annual increase of 1.5 percent.

Projected Annual Rate of Growth for Delaware 2004 – 2014



NAICS	Industry	2004	2014	2004 – 2014 Change	2004 – 2014 Annual Growth
	Total Employment, All Jobs	442,800	500,900	58,100	1.2%
	Total Self-Employed and Unpaid Family Workers, Primary Job	20,100	23,200	3,100	1.4%
	Self-Employed Workers, Primary Job	20,000	23,000	3,000	1.4%
	Unpaid Family Workers, Primary Job	100	200	100	7.2%
110000	Agriculture, Forestry, Fishing	4,500	4,500	0	0.0%
111000	Crop production	2,700	2,700	0	0.0%
112000	Animal production	1,500	1,500	0	0.3%
115000	Support activities for agriculture and forestry	300	300	0	-1.3%
210000	Mining	100	100	0	3.2%
220000	Utilities	2,200	2,000	-200	-0.8%
230000	Construction	26,400	30,300	3,900	1.4%
236000	Construction of buildings	6,900	7,400	500	0.8%
237000	Heavy and civil engineering construction	3,400	4,000	600	1.6%
238000	Specialty trade contractors	16,100	18,900	2,800	1.6%
310000	Manufacturing	34,600	31,400	-3,200	-1.0%
311000	Food manufacturing	9,200	9,300	100	0.1%
312000	Beverage and tobacco product manufacturing	200	200	0	2.0%
313000	Textile mills	800	700	-100	-1.2%
314000	Textile product mills	200	100	-100	-4.1%
315000	Apparel manufacturing	200	100	-100	-7.7%
321000	Wood product manufacturing	400	300	-100	-2.1%
322000	Paper manufacturing	1,400	1,000	-400	-3.0%
323000	Printing and related support activities	700	600	-100	-2.2%
324000	Petroleum and coal products manufacturing	700	600	-100	-2.0%
325000	Chemical manufacturing	5,100	3,700	-1,400	-3.2%
326000	Plastics and rubber products manufacturing	1,800	1,500	-300	-1.6%
327000	Nonmetallic mineral product manufacturing	1,000	900	-100	-1.0%
331000	Primary metal manufacturing	600	500	-100	-2.5%
332000	Fabricated metal product manufacturing	2,100	1,800	-300	-1.3%
333000	Machinery manufacturing	500	400	-100	-3.0%
334000	Computer and electronic product manufacturing	2,500	2,800	300	1.0%
335000	Electrical equipment and appliance mfg.	600	600	0	0.4%
336000	Transportation equipment manufacturing	4,500	4,500	0	0.0%

NAICS	Industry	2004	2014	2004 – 2014 Change	2004 – 2014 Annual Growth
337000	Furniture and related product manufacturing	1,000	800	-200	-2.1%
339000	Miscellaneous manufacturing	1,100	1,000	-100	-1.2%
420000	Wholesale Trade	14,800	16,600	1,800	1.2%
423000	Merchant wholesalers, durable goods	6,100	6,600	500	0.7%
424000	Merchant wholesalers, nondurable goods	6,600	7,200	600	0.8%
425000	Electronic markets and agents and brokers	2,000	2,800	800	3.3%
440000	Retail Trade	52,500	59,300	6,800	1.2%
441000	Motor vehicle and parts dealers	7,000	8,100	1,100	1.4%
442000	Furniture and home furnishings stores	2,900	3,300	400	1.4%
443000	Electronics and appliance stores	1,700	2,200	500	2.4%
444000	Building material and garden supply stores	4,600	5,500	900	1.8%
445000	Food and beverage stores	8,100	9,000	900	1.0%
446000	Health and personal care stores	3,600	4,600	1,000	2.3%
447000	Gasoline stations	2,700	2,900	200	0.8%
448000	Clothing and clothing accessories stores	5,000	5,700	700	1.2%
451000	Sporting goods, hobby, book and music stores	2,300	2,400	100	0.5%
452000	General merchandise stores	9,800	9,700	-100	-0.1%
453000	Miscellaneous store retailers	3,600	4,200	600	1.5%
454000	Nonstore retailers	1,100	1,700	600	4.2%
480000	Transportation and Warehousing	13,600	14,900	1,300	0.9%
481000	Air transportation	200	300	100	5.4%
482000	Rail transportation	1,400	1,200	-200	-1.5%
484000	Truck transportation	3,100	3,400	300	1.1%
485000	Transit and ground passenger transportation	2,300	2,000	-300	-1.6%
488000	Support activities for transportation	1,500	1,600	100	0.9%
491100	Postal Service	2,200	2,300	100	0.3%
492000	Couriers and messengers	1,300	1,500	200	1.6%
493000	Warehousing and storage	2,200	2,600	400	1.5%
510000	Information	7,100	8,100	1,000	1.4%
511000	Publishing industries, except Internet	1,500	1,600	100	1.0%
512000	Motion picture and sound recording industries	400	500	100	2.9%
515000	Broadcasting, except Internet	1,600	1,900	300	1.5%
517000	Telecommunications	1,300	1,600	300	2.5%
518000	ISPs, search portals, and data processing	2,200	2,300	100	0.6%
519000	Other information services	200	200	0	1.1%

NAICS	Industry	2004	2014	2004 – 2014 Change	2004 – 2014 Annual Growth
520000	Finance and Insurance	38,300	41,600	3,300	0.8%
522000	Credit intermediation and related activities	28,400	29,900	1,500	0.5%
522100	<i>Depository credit intermediation</i>	11,000	10,900	-100	-0.1%
522200	<i>Nondepository credit intermediation</i>	16,300	17,500	1,200	0.7%
522300	<i>Activities related to credit intermediation</i>	1,200	1,500	300	2.3%
523000	Securities, commodity contracts, investments	3,100	4,000	900	2.6%
524000	Insurance carriers and related activities	6,400	7,300	900	1.3%
525000	Funds, trusts, and other financial vehicles	300	400	100	1.7%
530000	Real Estate and Rental and Leasing	6,600	7,400	800	1.1%
531000	Real estate	4,700	5,200	500	1.0%
532000	Rental and leasing services	1,900	2,200	300	1.4%
540000	Professional and Technical Services	27,000	31,000	4,000	1.4%
550000	Management of Companies and Enterprises	12,500	14,500	2,000	1.5%
560000	Administrative and Waste Services	22,700	26,400	3,700	1.5%
561000	Administrative and support services	21,800	25,500	3,700	1.6%
562000	Waste management and remediation services	800	900	100	0.7%
610000	Educational Services	28,600	33,300	4,700	1.5%
620000	Health Care and Social Assistance	47,500	58,000	10,500	2.0%
621000	Ambulatory health care services	14,600	18,500	3,900	2.4%
622000	Hospitals	17,900	21,800	3,900	2.0%
623000	Nursing and residential care facilities	7,500	9,100	1,600	2.0%
624000	Social assistance	7,500	8,600	1,100	1.3%
710000	Arts, Entertainment, and Recreation	8,900	10,700	1,800	1.9%
711000	Performing arts and spectator sports	1,200	1,700	500	3.4%
712000	Museums, historical sites, zoos, and parks	900	1,000	100	0.8%
713000	Amusements, gambling, and recreation	6,800	8,000	1,200	1.7%
720000	Accommodation and Food Services	31,300	36,500	5,200	1.6%
721000	Accommodation	3,000	3,200	200	0.7%
722000	Food services and drinking places	28,300	33,300	5,000	1.6%

NAICS	Industry	2004	2014	2004 – 2014 Change	2004 – 2014 Annual Growth
810000	Other Services, except Public Administration	17,900	21,100	3,200	1.7%
811000	Repair and maintenance	3,500	4,000	500	1.4%
812000	Personal and laundry services	4,100	4,900	800	1.8%
813000	Membership associations and organizations	9,600	11,400	1,800	1.8%
814000	Private households	700	800	100	1.4%
900000	Government	25,800	30,000	4,200	1.5%
910000	Federal government	5,400	5,800	400	0.7%
919999	Federal government, excluding postal service	3,100	3,500	400	1.1%
920000	State government, excluding education and hospitals	15,800	18,500	2,700	1.6%
930000	Local government, excluding education and hospitals	6,900	8,000	1,100	1.5%

Note: Employment totals for 2004 and 2014 are rounded to the nearest 100. The annual growth rates were calculated from the employment totals before rounding.

Acknowledgements

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Other available publications include:

- *Beyond Wages: Delaware Job Benefits, and*
- *Wages 2005 (Wages 2006 coming soon!)*

All publications are also available online at www.oolmi.net.

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