

Delaware 2012

Occupation and Industry Projections

Delaware Department of Labor
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Introduction

In a free-market based economy such as Delaware’s, individuals choose for themselves how best to earn a living. When they make good choices, they benefit, obviously, but others benefit as well. Among the benefits of good employer-employee matches are higher productivity, lower turnover, and greater tax revenues.

Good employer-employee matches are the result of planning, good information, and luck. Better information and careful planning based on that information reduce the influence of luck, and help place an individual more firmly in charge of his or her career path. The purpose of this publication is to provide information on projected future industry and occupation trends in Delaware, making people here better equipped to make good decisions concerning their future.

Every two years, the US Department of Labor produces industry and occupation forecasts ten years into the future. Each state then produces projections for its own economy. These are the latest projections from the Delaware Department of Labor, Office of Occupational and Labor Market Information, covering the period from 2002 to 2012. Here you will find which industries in Delaware are expected to grow, which are expected to shrink, and the average wage for each industry. Here also are the wages, education requirements, expected job openings, and growth prospects for over 580 specific occupations.

While we believe that the information contained in this publication will be a valuable aid to students, educators, jobseekers, and those thinking of changing careers, it is just one of many resources that are available to help with career pursuits. For those who need help in finding career direction, our publication “Delaware Career Compass,” now in its 12th edition, contains tools to help find your most rewarding career path. Our publication “Beyond Wages: Delaware Job Benefits,” soon to be updated with its 4th edition, provides information on the benefits offered by Delaware employers. Detailed wage information for hundreds of occupations are available in our publication “Delaware Wages,” which is published annually. These publications are available on our website, www.oolmi.net, or can be mailed free of charge by request.



Occupation Projections by Level of Education

In this section, we present occupations categorized by the level of education required to be fully qualified for the position. The educational categories were developed by the US Bureau of Labor Statistics (BLS), which is also responsible for the placement of specific occupations within each category. These groupings should be considered guidelines, as current research shows that in virtually no occupations do all jobholders possess the same level of education. Typically, some will have more and some less than the majority. However, as average educational attainment increases, job applicants without the expected educational credentials will find it more and more difficult to be considered for employment.

For each occupation, we report the Standard Occupational Classification (SOC) Code, Occupation Title, estimated 2002 Delaware employment, projected 2012 Delaware employment, the 2003 wage level category, and the expected 2002-2012 job availability category. Additional information on these same occupations are available towards the end of this publication, where the occupations are organized by the Department of Education's career clusters. There you will find the projected annual average growth rate, total 10-year openings due to growth and due to replacement needs, and the estimated 2003 annual wage for each

occupation.

The wage level and job availability categories require some further explanation. They are new this year, and were developed for greater ease in comparing occupations. For comparing wage levels, each occupation was placed into one of five categories, based on its 2003 estimated average annual wage: High, Above Average, Average, Below Average, and Low. These categories are simply quintiles: the highest-paying 117 occupations (20 percent) were put into the High category, the next highest-paying 117 occupations into the Above Average category, all the way down to the lowest-paying 117 occupations which make up the Low category. The wage cut-off points are listed below. The Job Availability categories are based on projected job openings due to growth, but not due to replacement needs. The thinking is that occupations with openings due to growth are more likely to offer advancement opportunities and wage growth than those with openings due to replacement, which are often the result of high turnover. Expected openings due to replacement for each occupation can be found in the career clusters section.

There are four categories of Job Availability: Poor, with no openings due to growth projected; Fair, with from 1 to 99 total openings projected over the 10-year period; Good, with from 100 to

499; and Excellent, with 500 or more openings due to growth projected from 2002 to 2012. There are 24 occupations with Excellent job availability, 113 in the Good category, 301 listed as Fair, and 149 as Poor.

Occupations are listed first by education requirements. Within each education category, occupations are listed first by job availability, from Excellent to Poor, and then by wage level, from High to Low. The occupations may be cross-referenced to other publications and data sources by their SOC codes. The same codes are used by all other states and the federal government.

The majority of jobs in Delaware (70 percent) do not require formal education beyond high school. This proportion is expected to drop slightly by 2012 (to 69 percent). It should be remembered, however, that it is common for some jobholders to have more than the 'required' level of education, and for some employers to give preference to candidates with more education, even when it is not necessarily required. Also, it should be noted that the great majority of jobs where only a high school education is required are relatively low-paying. This is especially true for jobs which are populated by workers with less than a high school education. Of the 112 jobs which require only short-term on-the-job training, 98 pay Below Average or Low wages.

In general, the average wage which an occupation can be expected to pay increases with the education, training, and work experience required to be qualified for that occupation. This relationship can be seen in the table on page 3, but, as can also be seen, there

Wage Category	2003 Mean Annual Wage
Low	Below \$25,660
Below Average	\$25,660 to \$32,800
Average	\$32,801 to \$42,800
Above Average	\$42,801 to \$56,850
High	Above \$56,850

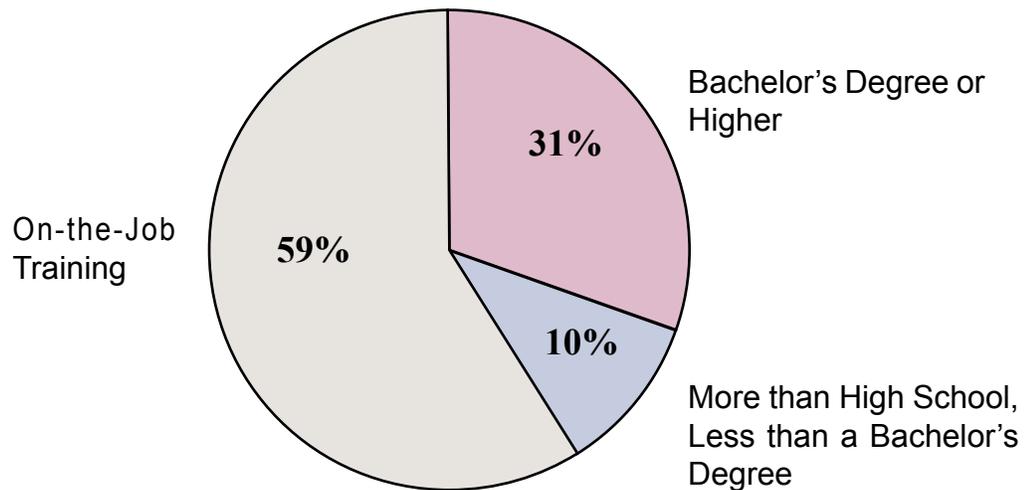


are exceptions. The average salary for occupations requiring a master’s degree is below that of occupations which typically require only a bachelor’s degree. This is due largely to the relatively low-paying social assistance occupations in the master’s degree category (Rehabili-

tation Counselors, Mental Health and Substance Abuse Counselors, etc.) and the relatively high-paying occupations in engineering and computer applications which require a bachelor’s degree. Presumably, people working in high education occupations with relatively

low pay receive some other rewards, or psychic income, to compensate. The high average pay for the category Bachelor’s Degree, Plus Work Experience is largely due to Chief Executives and General and Operations Managers.

New Jobs Created by Level of Education 2002–2012



Wages by Level of Education 2003

Education/Experience/Training Group	2003 Average Wage*
First Professional Degree	\$98,980
Doctoral Degree	\$65,910
Master’s Degree	\$50,900
Bachelor’s Degree, Plus Work Experience	\$85,180
Bachelor’s Degree	\$56,630
Associate Degree	\$50,020
Postsecondary Vocational Training	\$35,860
Work Experience in a Related Occupation	\$47,040
Long-Term On-The-Job Training	\$36,150
Moderate-Term On-The-Job Training	\$32,070
Short-Term On-The-Job Training	\$26,470

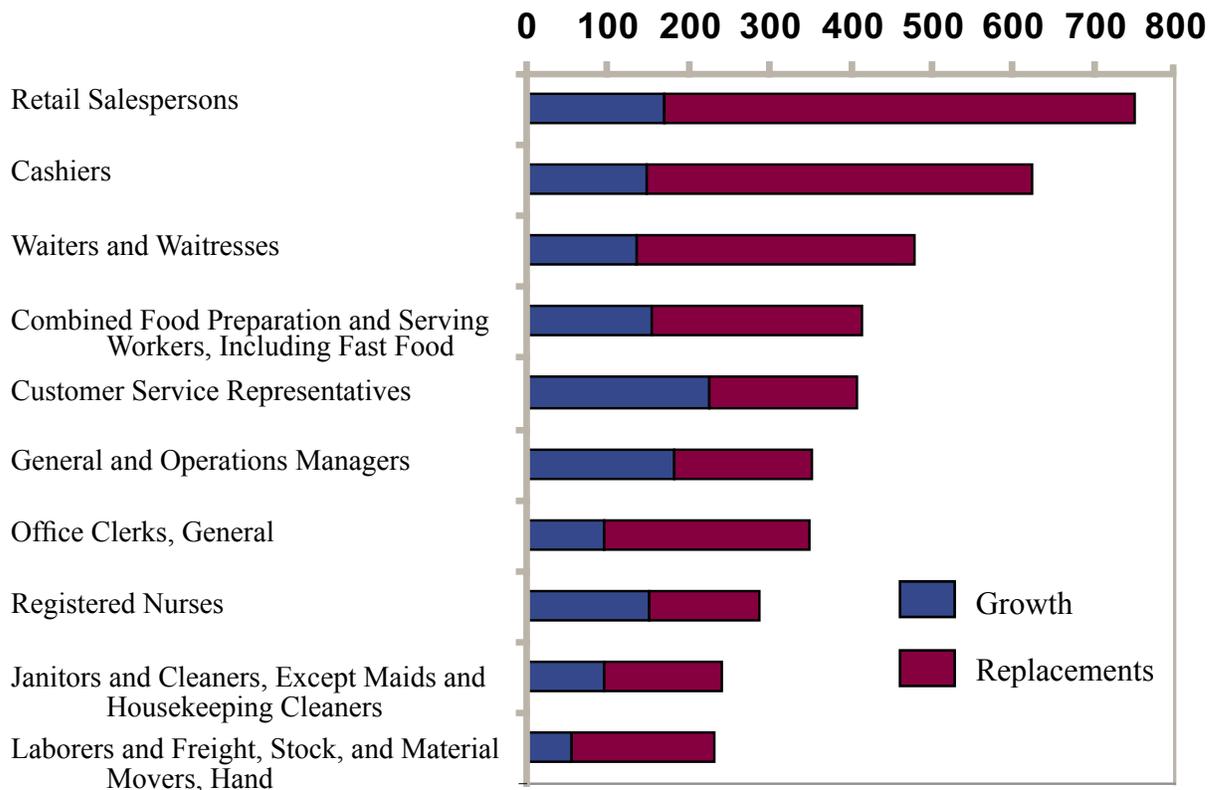
* Average Wage is weighted by the estimated number of workers in each occupation.



Projected Openings and Growth by Education Level 2002 – 2012

Education/Training Requirements	Total Openings, 2002-2012	Pct. of Total Openings	New Jobs	Pct. Growth
First Professional Degree	2,210	1.4	1,100	16.3
Doctoral Degree	1,250	0.8	650	24.5
Master’s Degree	3,300	2.0	1,580	19.6
Bachelor’s or Higher Degree, plus Work Experience	10,190	6.3	5,270	19.8
Bachelor’s Degree	18,220	11.2	8,770	17.6
Associate Degree	6,330	3.9	3,430	21.1
Postsecondary Vocational Training	6,550	4.0	2,540	13.7
Work Experience in a Related Occupation	10,740	6.6	3,990	12.4
Long-Term On-The-Job Training	9,660	6.0	3,730	14.4
Moderate-Term On-The-Job Training	26,010	16.0	7,100	8.5
Short-Term On-The-Job Training	67,910	41.8	19,160	12.0

Occupations with the Most Annual Openings 2002 – 2012





SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
Jobs Requiring a First Professional Degree					
23-1011	Lawyers	1,930	2,120	High	Good
29-1051	Pharmacists	570	760	High	Good
29-1062	Family and General Practitioners	710	830	High	Good
21-2011	Clergy	1,550	1,840	Above Avg	Good
29-1011	Chiropractors	140	170	High	Fair
29-1020	Dentists	370	380	High	Fair
29-1041	Optometrists	220	280	High	Fair
29-1063	Internists, General	200	230	High	Fair
29-1064	Obstetricians and Gynecologists	90	100	High	Fair
29-1065	Pediatricians, General	110	140	High	Fair
29-1066	Psychiatrists	280	310	High	Fair
29-1067	Surgeons	130	150	High	Fair
29-1081	Podiatrists	40	40	High	Fair
29-1131	Veterinarians	160	190	High	Fair
29-1061	Anesthesiologists	20	20	High	Poor
Jobs Requiring a Doctoral Degree					
19-3031	Clinical, Counseling, and School Psychologists	800	940	Above Avg	Good
25-1032	Engineering Teachers, Postsecondary	180	230	High	Fair
25-1041	Agricultural Sciences Teachers, Postsecondary	170	220	High	Fair
25-1042	Biological Science Teachers, Postsecondary	90	110	High	Fair
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	90	120	High	Fair
25-1052	Chemistry Teachers, Postsecondary	80	110	High	Fair
25-1054	Physics Teachers, Postsecondary	50	70	High	Fair
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	20	30	High	Fair
25-1063	Economics Teachers, Postsecondary	70	90	High	Fair
25-1064	Geography Teachers, Postsecondary	20	30	High	Fair
25-1065	Political Science Teachers, Postsecondary	70	90	High	Fair
25-1067	Sociology Teachers, Postsecondary	50	70	High	Fair
25-1125	History Teachers, Postsecondary	140	180	High	Fair
25-1031	Architecture Teachers, Postsecondary	20	30	High	Fair
25-1061	Anthropology and Archeology Teachers, Postsecondary	30	40	High	Fair
25-1066	Psychology Teachers, Postsecondary	90	120	High	Fair
25-1072	Nursing Instructors and Teachers, Postsecondary	260	320	High	Fair
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	60	70	High	Fair
25-1113	Social Work Teachers, Postsecondary	40	50	Above Avg	Fair
25-1122	Communications Teachers, Postsecondary	80	110	Above Avg	Fair



SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
Jobs Requiring a Master's Degree					
25-1011	Business Teachers, Postsecondary	320	420	High	Good
19-3021	Market Research Analysts	510	610	High	Good
25-9031	Instructional Coordinators	540	660	Above Avg	Good
29-1123	Physical Therapists	380	500	High	Good
21-1015	Rehabilitation Counselors	500	600	Below Avg	Good
21-1023	Mental Health and Substance Abuse Social Workers	700	920	Average	Good
15-2041	Statisticians	100	110	High	Fair
19-2042	Geoscientists, Except Hydrologists and Geographers	80	90	High	Fair
19-3011	Economists	50	50	High	Fair
25-1021	Computer Science Teachers, Postsecondary	130	160	High	Fair
25-1123	English Language and Literature Teachers, Postsecondary	290	370	High	Fair
19-2041	Environmental Scientists and Specialists, Including Health	290	330	Above Avg	Fair
19-2043	Hydrologists	30	40	Above Avg	Fair
25-1022	Mathematical Science Teachers, Postsecondary	260	340	High	Fair
25-1071	Health Specialties Teachers, Postsecondary	110	140	High	Fair
25-1121	Art, Drama, and Music Teachers, Postsecondary	180	230	High	Fair
25-1192	Home Economics Teachers, Postsecondary	150	190	High	Fair
25-4021	Librarians	460	470	Above Avg	Fair
29-1121	Audiologists	40	40	High	Fair
29-1127	Speech-Language Pathologists	330	380	High	Fair
19-3051	Urban and Regional Planners	160	180	Above Avg	Fair
21-1012	Educational, Vocational, and School Counselors	880	930	Above Avg	Fair
21-1013	Marriage and Family Therapists	110	140	Average	Fair
25-1124	Foreign Language and Literature Teachers, Postsecondary	180	240	Above Avg	Fair
25-4010	Archivists, Curators, and Museum Technicians	120	130	Above Avg	Fair
21-1011	Substance Abuse and Behavioral Disorder Counselors	260	310	Below Avg	Fair
21-1014	Mental Health Counselors	350	430	Below Avg	Fair
21-1091	Health Educators	280	340	Average	Fair
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	50	70	Low	Fair
19-1041	Epidemiologists	10	10	Average	Poor
19-3091	Anthropologists and Archeologists	20	20	Average	Poor
15-2021	Mathematicians	30	30	Below Avg	Poor
19-3022	Survey Researchers	10	10	Below Avg	Poor
Jobs Requiring a Bachelor's Degree, Plus Work Experience					
11-1011	Chief Executives	2,920	3,420	High	Excellent
11-1021	General and Operations Managers	9,120	10,930	High	Excellent
11-2011	Advertising and Promotions Managers	390	490	High	Good
11-2021	Marketing Managers	870	1,090	High	Good
11-2022	Sales Managers	1,600	2,050	High	Good
11-3021	Computer and Information Systems Managers	1,010	1,330	High	Good



Occupation Projections by Education

2002 – 2012

SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
11-3031	Financial Managers	2,360	2,830	High	Good
11-3040	Human Resources Managers	620	730	High	Good
11-9111	Medical and Health Services Managers	890	1100	High	Good
13-1111	Management Analysts	1,610	2,010	High	Good
11-3011	Administrative Services Managers	1,120	1,350	Above Avg	Good
11-2031	Public Relations Managers	410	470	High	Fair
11-3061	Purchasing Managers	270	290	High	Fair
11-9032	Education Administrators, Elementary and Secondary School	730	820	High	Fair
11-9033	Education Administrators, Postsecondary	280	330	High	Fair
11-9041	Engineering Managers	480	520	High	Fair
11-9121	Natural Sciences Managers	240	260	High	Fair
23-1022	Arbitrators, Mediators, and Conciliators	130	140	High	Fair
23-1023	Judges, Magistrate Judges, and Magistrates	60	60	High	Fair
25-2032	Vocational Education Teachers, Secondary School	510	520	Above Avg	Fair
27-1011	Art Directors	80	90	High	Fair
11-9031	Education Administrators, Preschool and Child Care Center/Program	220	260	Average	Fair
27-2012	Producers and Directors	80	90	Above Avg	Fair
11-1031	Legislators	270	310	Average	Fair
27-3020	News Analysts, Reporters and Correspondents	160	170	Average	Fair
15-2011	Actuaries	30	30	High	Poor
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	30	30	Above Avg	Poor
25-2023	Vocational Education Teachers, Middle School	40	40	Above Avg	Poor
11-9011	Farm, Ranch, and Other Agricultural Managers	50	40	Average	Poor
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	10	10	Average	Poor

Jobs Requiring a Bachelor's Degree

13-2011	Accountants and Auditors	3,260	3,860	Above Avg	Excellent
11-9021	Construction Managers	1,620	1,930	High	Good
13-2051	Financial Analysts	770	940	High	Good
15-1021	Computer Programmers	2,040	2,260	High	Good
15-1031	Computer Software Engineers, Applications	400	540	High	Good
15-1032	Computer Software Engineers, Systems Software	670	950	High	Good
15-1051	Computer Systems Analysts	1,220	1,680	High	Good
15-1061	Database Administrators	350	490	High	Good
15-1071	Network and Computer Systems Administrators	1,030	1,320	High	Good
15-1081	Network Systems and Data Communications Analysts	630	920	High	Good
29-1071	Physician Assistants	390	580	High	Good
29-1199	Health Diagnosing and Treating Practitioners, All Other	320	430	High	Good



SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
41-3031	Securities, Commodities, and Financial Services Sales Agents	2,090	2,410	High	Good
11-9141	Property, Real Estate, and Community Association Managers	570	700	Above Avg	Good
13-1073	Training and Development Specialists	1,070	1,280	Above Avg	Good
13-2052	Personal Financial Advisors	860	1150	High	Good
13-2072	Loan Officers	880	1000	High	Good
25-2031	Secondary School Teachers, Except Special and Vocational Education	2,170	2,400	Above Avg	Good
25-2041	Special Educ. Teachers, Preschool, Kindergarten, and Elementary School	1,070	1,290	Above Avg	Good
25-2043	Special Education Teachers, Secondary School	470	560	Above Avg	Good
11-9151	Social and Community Service Managers	680	800	Above Avg	Good
13-1071	Employment, Recruitment, and Placement Specialists	700	850	Above Avg	Good
13-1072	Compensation, Benefits, and Job Analysis Specialists	640	770	Above Avg	Good
25-2021	Elementary School Teachers, Except Special Education	5,200	5,640	Above Avg	Good
27-3031	Public Relations Specialists	380	510	Above Avg	Good
21-1021	Child, Family, and School Social Workers	1,710	1,950	Average	Good
39-9032	Recreation Workers	860	1,070	Low	Good
11-3051	Industrial Production Managers	620	660	High	Fair
17-2041	Chemical Engineers	250	280	High	Fair
17-2061	Computer Hardware Engineers	40	50	High	Fair
17-2071	Electrical Engineers	300	310	High	Fair
17-2081	Environmental Engineers	230	290	High	Fair
17-2112	Industrial Engineers	520	570	High	Fair
19-2031	Chemists	910	1,000	High	Fair
29-9091	Athletic Trainers	40	50	High	Fair
41-9031	Sales Engineers	90	90	High	Fair
53-2011	Airline Pilots, Copilots, and Flight Engineers	120	130	High	Fair
13-2031	Budget Analysts	130	150	High	Fair
13-2053	Insurance Underwriters	270	290	Above Avg	Fair
13-2061	Financial Examiners	120	130	High	Fair
13-2081	Tax Examiners, Collectors, and Revenue Agents	110	110	High	Fair
17-1011	Architects, Except Landscape and Naval	170	200	High	Fair
17-1012	Landscape Architects	60	70	Above Avg	Fair
17-2051	Civil Engineers	580	600	Above Avg	Fair
17-2111	Health and Safety Engineers, Except Mining Engineers and Inspectors	100	110	High	Fair
27-3042	Technical Writers	110	140	Above Avg	Fair
29-1031	Dietitians and Nutritionists	160	190	Above Avg	Fair
29-2011	Medical and Clinical Laboratory Technologists	350	400	Above Avg	Fair
13-1121	Meeting and Convention Planners	90	100	Above Avg	Fair
13-2071	Loan Counselors	170	200	Above Avg	Fair



Occupation Projections by Education

2002 – 2012

SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
21-1022	Medical and Public Health Social Workers	310	390	Above Avg	Fair
21-1092	Probation Officers and Correctional Treatment Specialists	420	470	Average	Fair
23-2092	Law Clerks	250	270	Average	Fair
25-2012	Kindergarten Teachers, Except Special Education	420	500	Above Avg	Fair
25-2022	Middle School Teachers, Except Special and Vocational Education	1,480	1,510	Above Avg	Fair
25-2042	Special Education Teachers, Middle School	260	310	Above Avg	Fair
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	410	480	Above Avg	Fair
27-1021	Commercial and Industrial Designers	110	120	Above Avg	Fair
27-1024	Graphic Designers	360	420	Average	Fair
27-1025	Interior Designers	70	90	Average	Fair
27-3041	Editors	270	320	Above Avg	Fair
27-3043	Writers and Authors	170	230	Above Avg	Fair
29-1122	Occupational Therapists	420	510	Above Avg	Fair
41-3021	Insurance Sales Agents	750	820	Above Avg	Fair
17-1022	Surveyors	510	530	Average	Fair
29-1125	Recreational Therapists	110	110	Below Avg	Fair
17-2131	Materials Engineers	90	80	High	Poor
17-2141	Mechanical Engineers	500	480	High	Poor
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70	70	High	Poor
17-2171	Petroleum Engineers	80	80	High	Poor
19-1023	Zoologists and Wildlife Biologists	30	30	High	Poor
19-2021	Atmospheric and Space Scientists	10	10	High	Poor
17-2072	Electronics Engineers, Except Computer	100	100	High	Poor
19-1010	Agricultural and Food Scientists	30	30	Above Avg	Poor
19-1031	Conservation Scientists	20	20	Above Avg	Poor
25-9021	Farm and Home Management Advisors	90	90	Above Avg	Poor
27-1014	Multi-Media Artists and Animators	20	20	Average	Poor
19-1032	Foresters	10	10	Above Avg	Poor
27-1027	Set and Exhibit Designers	20	20	Below Avg	Poor
Jobs Requiring an Associate Degree					
15-1041	Computer Support Specialists	2,770	3,440	Above Avg	Excellent
29-1111	Registered Nurses	6,480	8,000	High	Excellent
23-2011	Paralegals and Legal Assistants	1,400	1,650	Average	Good
29-2021	Dental Hygienists	510	690	Above Avg	Good
29-2034	Radiologic Technologists and Technicians	540	650	Average	Good
29-2071	Medical Records and Health Information Technicians	300	410	Below Avg	Good
17-3023	Electrical and Electronic Engineering Technicians	290	300	Above Avg	Fair
17-3027	Mechanical Engineering Technicians	150	160	Above Avg	Fair
29-1126	Respiratory Therapists	250	330	Above Avg	Fair



SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
29-2033	Nuclear Medicine Technologists	50	60	Above Avg	Fair
17-3022	Civil Engineering Technicians	130	140	Average	Fair
17-3024	Electro-Mechanical Technicians	110	110	Average	Fair
17-3025	Environmental Engineering Technicians	40	50	Average	Fair
17-3026	Industrial Engineering Technicians	150	170	Above Avg	Fair
19-4021	Biological Technicians	830	870	Average	Fair
19-4092	Forensic Science Technicians	40	50	Above Avg	Fair
29-1124	Radiation Therapists	30	40	Above Avg	Fair
29-2031	Cardiovascular Technologists and Technicians	110	150	Above Avg	Fair
29-2032	Diagnostic Medical Sonographers	140	170	Above Avg	Fair
31-2011	Occupational Therapist Assistants	50	60	Average	Fair
49-9062	Medical Equipment Repairers	110	130	Above Avg	Fair
19-4091	Environmental Science and Protection Technicians, Including Health	40	50	Average	Fair
27-4012	Broadcast Technicians	30	40	Below Avg	Fair
29-2012	Medical and Clinical Laboratory Technicians	430	470	Below Avg	Fair
31-2021	Physical Therapist Assistants	180	250	Average	Fair
19-4011	Agricultural and Food Science Technicians	50	60	Below Avg	Fair
29-2056	Veterinary Technologists and Technicians	180	240	Low	Fair
11-9061	Funeral Directors	60	60	High	Poor
19-4041	Geological and Petroleum Technicians	40	40	Above Avg	Poor
19-4093	Forest and Conservation Technicians	10	10	Above Avg	Poor

Jobs Requiring Postsecondary Vocational Training

29-2061	Licensed Practical and Licensed Vocational Nurses	2,190	2,410	Average	Good
43-6012	Legal Secretaries	1,040	1,140	Average	Good
49-3023	Automotive Service Technicians and Mechanics	3,480	3,600	Above Avg	Good
39-9031	Fitness Trainers and Aerobics Instructors	1,180	1,610	Below Avg	Good
25-2011	Preschool Teachers, Except Special Education	1,220	1,490	Low	Good
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,130	2,470	Below Avg	Good
43-6013	Medical Secretaries	1,290	1,450	Below Avg	Good
13-2021	Appraisers and Assessors of Real Estate	200	250	Above Avg	Fair
23-2091	Court Reporters	50	60	Above Avg	Fair
29-2054	Respiratory Therapy Technicians	240	320	Above Avg	Fair
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	190	200	Average	Fair
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	110	120	Average	Fair
49-2098	Security and Fire Alarm Systems Installers	350	440	Above Avg	Fair
49-3011	Aircraft Mechanics and Service Technicians	430	470	Above Avg	Fair
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	750	840	Average	Fair
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	180	190	Average	Fair
29-2041	Emergency Medical Technicians and Paramedics	290	360	Below Avg	Fair



Occupation Projections by Education

2002 – 2012

SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
29-2055	Surgical Technologists	140	170	Average	Fair
31-9011	Massage Therapists	170	250	Average	Fair
31-9094	Medical Transcriptionists	300	360	Below Avg	Fair
39-1012	Slot Key Persons	40	60	Below Avg	Fair
39-5094	Skin Care Specialists	70	90	Average	Fair
41-9022	Real Estate Sales Agents	450	520	Average	Fair
43-9031	Desktop Publishers	60	70	Average	Fair
49-2011	Computer, Automated Teller, and Office Machine Repairers	310	340	Average	Fair
51-9071	Jewelers and Precious Stone and Metal Workers	40	50	Average	Fair
27-4014	Sound Engineering Technicians	50	60	Below Avg	Fair
39-5011	Barbers	290	330	Low	Fair
39-5092	Manicurists and Pedicurists	300	380	Low	Fair
17-3012	Electrical and Electronics Drafters	90	90	High	Poor
17-3013	Mechanical Drafters	130	120	Above Avg	Poor
53-2012	Commercial Pilots	10	10	Above Avg	Poor
53-5031	Ship Engineers	0	10	Above Avg	Poor
17-3011	Architectural and Civil Drafters	210	200	Average	Poor
39-4011	Embalmers	20	20	Above Avg	Poor
49-2021	Radio Mechanics	10	10	Above Avg	Poor
49-2091	Avionics Technicians	50	50	Above Avg	Poor
41-3041	Travel Agents	290	240	Below Avg	Poor
49-3041	Farm Equipment Mechanics	80	80	Below Avg	Poor
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	20	30	Below Avg	Poor

Jobs Requiring Work Experience in a Related Occupation

41-1011	First-Line Supervisors/Managers of Retail Sales Workers	5,290	6,030	Above Avg	Excellent
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	950	1,060	High	Good
13-1051	Cost Estimators	580	700	Above Avg	Good
47-1011	First-Line Super./Managers of Construction and Extraction Workers	1,830	2,190	Above Avg	Good
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	1,520	1,720	Above Avg	Good
11-9051	Food Service Managers	1,530	1,770	Average	Good
43-1011	First-Line Super./Managers of Office and Administrative Support Workers	5,790	5,970	Above Avg	Good
25-3021	Self-Enrichment Education Teachers	580	810	Average	Good
35-1012	First-Line Super./Managers of Food Preparation and Serving Workers	1,950	2,310	Below Avg	Good
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	1,170	1,260	Below Avg	Good
11-3071	Transportation, Storage, and Distribution Managers	350	400	High	Fair
33-1012	First-Line Supervisors/Managers of Police and Detectives	140	160	High	Fair



SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
11-9071	Gaming Managers	50	60	Above Avg	Fair
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	430	480	Above Avg	Fair
25-1194	Vocational Education Teachers, Postsecondary	270	340	Above Avg	Fair
33-3021	Detectives and Criminal Investigators	170	210	Above Avg	Fair
41-9021	Real Estate Brokers	240	280	High	Fair
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,740	1,750	Above Avg	Fair
53-5021	Captains, Mates, and Pilots of Water Vessels	80	130	High	Fair
11-9081	Lodging Managers	270	280	Average	Fair
13-1021	Purchasing Agents and Buyers, Farm Products	90	100	Above Avg	Fair
13-1022	Wholesale and Retail Buyers, Except Farm Products	270	290	Above Avg	Fair
27-2032	Choreographers	140	150	Average	Fair
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service Workers	460	530	Average	Fair
45-1011	First-Line Super./Managers of Farming, Fishing, and Forestry Workers	270	310	Average	Fair
47-4011	Construction and Building Inspectors	360	410	Average	Fair
53-1021	First-Line Super./Managers of Laborers and Material Movers, Hand	400	460	Average	Fair
53-1031	First-Line Super./Mgrs of Trans. and Material-Moving Vehicle Operators	660	740	Above Avg	Fair
53-6051	Transportation Inspectors	60	70	Average	Fair
33-9021	Private Detectives and Investigators	110	150	Average	Fair
35-1011	Chefs and Head Cooks	460	550	Below Avg	Fair
39-1011	Gaming Supervisors	130	180	Average	Fair
39-1021	First-Line Supervisors/Managers of Personal Service Workers	450	520	Below Avg	Fair
45-2011	Agricultural Inspectors	80	90	Below Avg	Fair
33-2022	Forest Fire Inspectors and Prevention Specialists	90	100	Low	Fair
43-4141	New Accounts Clerks	320	380	Below Avg	Fair
53-4011	Locomotive Engineers	110	100	High	Poor
11-9131	Postmasters and Mail Superintendents	50	50	Above Avg	Poor
33-1011	First-Line Supervisors/Managers of Correctional Officers	10	10	High	Poor
53-4031	Railroad Conductors and Yardmasters	20	20	Above Avg	Poor
33-2021	Fire Inspectors and Investigators	10	10	Average	Poor
45-2041	Graders and Sorters, Agricultural Products	330	310	Low	Poor
53-1011	Aircraft Cargo Handling Supervisors	10	10	Low	Poor
Jobs Requiring Long-Term On-The-Job Training					
47-2111	Electricians	2,670	3,300	Above Avg	Excellent
33-3051	Police and Sheriff's Patrol Officers	1,190	1,380	Above Avg	Good
47-2021	Brickmasons and Blockmasons	580	690	Average	Good



Occupation Projections by Education

2002 – 2012

SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
47-2152	Plumbers, Pipefitters, and Steamfitters	2,050	2,450	Above Avg	Good
47-2031	Carpenters	3,250	3,720	Average	Good
49-3021	Automotive Body and Related Repairers	670	780	Average	Good
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,220	1,670	Average	Good
35-2014	Cooks, Restaurant	2,410	2,880	Low	Good
47-4021	Elevator Installers and Repairers	170	210	High	Fair
53-2021	Air Traffic Controllers	30	30	High	Fair
27-2042	Musicians and Singers	170	200	Above Avg	Fair
47-2044	Tile and Marble Setters	40	50	Above Avg	Fair
47-2171	Reinforcing Iron and Rebar Workers	70	80	Above Avg	Fair
49-9051	Electrical Power-Line Installers and Repairers	260	280	Above Avg	Fair
51-8013	Power Plant Operators	300	300	Above Avg	Fair
13-1031	Claims Adjusters, Examiners, and Investigators	470	520	Above Avg	Fair
13-1041	Compliance Officers, Except Ag., Constr., Health and Safety, and Trans.	470	530	Above Avg	Fair
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	140	170	Average	Fair
47-2161	Plasterers and Stucco Masons	150	170	Average	Fair
47-2221	Structural Iron and Steel Workers	250	300	Above Avg	Fair
49-2022	Telecommunications Equip. Installers and Repairers, Except Line Installers	560	640	Average	Fair
49-9044	Millwrights	200	200	Above Avg	Fair
49-9052	Telecommunications Line Installers and Repairers	390	480	Average	Fair
51-4041	Machinists	700	730	Average	Fair
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	340	350	Average	Fair
27-2022	Coaches and Scouts	220	270	Average	Fair
27-4011	Audio and Video Equipment Technicians	170	200	Below Avg	Fair
27-4021	Photographers	230	260	Below Avg	Fair
47-2121	Glaziers	40	50	Below Avg	Fair
49-9031	Home Appliance Repairers	150	160	Below Avg	Fair
51-4121	Welders, Cutters, Solderers, and Brazers	690	760	Average	Fair
51-8031	Water and Liquid Waste Treatment Plant and System Operators	210	240	Average	Fair
29-2081	Opticians, Dispensing	230	280	Below Avg	Fair
47-2022	Stonemasons	100	120	Below Avg	Fair
49-3051	Motorboat Mechanics	80	100	Below Avg	Fair
49-3052	Motorcycle Mechanics	50	60	Below Avg	Fair
49-3092	Recreational Vehicle Service Technicians	20	30	Below Avg	Fair
51-3011	Bakers	480	560	Low	Fair
51-7011	Cabinetmakers and Bench Carpenters	190	200	Below Avg	Fair
27-2021	Athletes and Sports Competitors	10	10	High	Poor
51-8011	Nuclear Power Reactor Operators	20	20	High	Poor



SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
51-8092	Gas Plant Operators	200	180	Above Avg	Poor
13-1032	Insurance Appraisers, Auto Damage	20	30	Above Avg	Poor
27-3091	Interpreters and Translators	10	10	Average	Poor
47-2011	Boilermakers	180	180	Average	Poor
49-9041	Industrial Machinery Mechanics	740	710	Above Avg	Poor
51-4111	Tool and Die Makers	120	80	Above Avg	Poor
51-8021	Stationary Engineers and Boiler Operators	120	100	Above Avg	Poor
51-8091	Chemical Plant and System Operators	320	270	Above Avg	Poor
49-9063	Musical Instrument Repairers and Tuners	30	30	Below Avg	Poor
51-5021	Job Printers	20	20	Average	Poor
51-5022	Prepress Technicians and Workers	340	270	Average	Poor
51-6041	Shoe and Leather Workers and Repairers	10	20	Below Avg	Poor
51-6093	Upholsterers	70	70	Below Avg	Poor
51-8012	Power Distributors and Dispatchers	120	110	Average	Poor
51-9081	Dental Laboratory Technicians	110	120	Below Avg	Poor
27-2011	Actors	10	10	Low	Poor
27-3010	Announcers	130	120	Low	Poor
51-6052	Tailors, Dressmakers, and Custom Sewers	60	60	Low	Poor
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	40	30	Below Avg	Poor
51-7021	Furniture Finishers	20	20	Low	Poor
Jobs Requiring Moderate-Term On-The-Job Training					
41-4012	Sales Reps., Wholesale and Manf., Except Tech. and Scientific Products	3,230	4,070	Above Avg	Excellent
43-4051	Customer Service Representatives	12,280	14,530	Below Avg	Excellent
43-6011	Executive Secretaries and Administrative Assistants	6,630	7,120	Average	Excellent
53-3032	Truck Drivers, Heavy and Tractor-Trailer	3,770	4,340	Average	Excellent
47-2061	Construction Laborers	2,730	3,260	Low	Excellent
41-4011	Sales Reps., Wholesale and Manf., Technical and Scientific Products	1,060	1,270	High	Good
33-3012	Correctional Officers and Jailers	1,670	1,860	Below Avg	Good
43-3021	Billing and Posting Clerks and Machine Operators	1,610	1,710	Below Avg	Good
43-3031	Bookkeeping, Accounting, and Auditing Clerks	6,820	7,040	Below Avg	Good
47-2051	Cement Masons and Concrete Finishers	430	560	Average	Good
47-2073	Operating Engineers and Other Construction Equipment Operators	1,160	1,310	Average	Good
47-2141	Painters, Construction and Maintenance	1,160	1,350	Average	Good
49-9042	Maintenance and Repair Workers, General	3,310	3,680	Average	Good
21-1093	Social and Human Service Assistants	730	1,030	Low	Good
29-2052	Pharmacy Technicians	610	880	Low	Good
31-9091	Dental Assistants	840	1,130	Low	Good



Occupation Projections by Education

2002 – 2012

SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
31-9092	Medical Assistants	860	1,290	Below Avg	Good
51-4061	Model Makers, Metal and Plastic	40	40	High	Fair
41-3011	Advertising Sales Agents	360	410	Above Avg	Fair
47-2081	Drywall and Ceiling Tile Installers	120	150	Average	Fair
47-2082	Tapers	20	20	Above Avg	Fair
47-2211	Sheet Metal Workers	540	630	Average	Fair
49-9094	Locksmiths and Safe Repairers	100	120	Average	Fair
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	90	100	Average	Fair
53-7021	Crane and Tower Operators	240	260	Average	Fair
53-7121	Tank Car, Truck, and Ship Loaders	120	140	Average	Fair
13-2082	Tax Preparers	370	430	Below Avg	Fair
17-3031	Surveying and Mapping Technicians	190	230	Below Avg	Fair
27-4013	Radio Operators	80	90	Below Avg	Fair
27-4031	Camera Operators, Television, Video, and Motion Picture	60	70	Below Avg	Fair
29-2053	Psychiatric Technicians	160	160	Below Avg	Fair
33-9031	Gaming Surveillance Officers and Gaming Investigators	20	30	Below Avg	Fair
37-2021	Pest Control Workers	160	170	Below Avg	Fair
41-9011	Demonstrators and Product Promoters	150	180	Below Avg	Fair
43-3051	Payroll and Timekeeping Clerks	530	560	Below Avg	Fair
43-4061	Eligibility Interviewers, Government Programs	140	160	Below Avg	Fair
43-5031	Police, Fire, and Ambulance Dispatchers	140	160	Below Avg	Fair
43-5032	Dispatchers, Except Police, Fire, and Ambulance	490	530	Below Avg	Fair
43-9041	Insurance Claims and Policy Processing Clerks	1,560	1,560	Average	Fair
45-4011	Forest and Conservation Workers	140	160	Below Avg	Fair
47-2041	Carpet Installers	370	450	Average	Fair
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	280	360	Below Avg	Fair
47-2071	Paving, Surfacing, and Tamping Equipment Operators	160	190	Average	Fair
47-2130	Insulation Workers	280	330	Below Avg	Fair
47-2142	Paperhangers	160	170	Below Avg	Fair
47-2151	Pipelayers	100	110	Average	Fair
47-2181	Roofers	300	360	Below Avg	Fair
47-4041	Hazardous Materials Removal Workers	150	210	Average	Fair
47-4051	Highway Maintenance Workers	110	130	Below Avg	Fair
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	70	80	Below Avg	Fair
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	110	140	Below Avg	Fair
51-2041	Structural Metal Fabricators and Fitters	250	250	Below Avg	Fair
51-9122	Painters, Transportation Equipment	110	140	Average	Fair
53-7032	Excavating and Loading Machine and Dragline Operators	190	210	Average	Fair
27-1023	Floral Designers	270	280	Below Avg	Fair
27-1026	Merchandise Displayers and Window Trimmers	180	210	Low	Fair



SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
29-2051	Dietetic Technicians	110	130	Low	Fair
33-9011	Animal Control Workers	30	40	Below Avg	Fair
35-2012	Cooks, Institution and Cafeteria	860	890	Low	Fair
39-2011	Animal Trainers	120	140	Low	Fair
39-6012	Concierges	40	40	Low	Fair
39-9041	Residential Advisors	220	280	Low	Fair
47-4071	Septic Tank Servicicers and Sewer Pipe Cleaners	90	110	Low	Fair
49-9095	Manufactured Building and Mobile Home Installers	70	90	Low	Fair
51-6011	Laundry and Dry-Cleaning Workers	1,050	1,130	Low	Fair
51-6031	Sewing Machine Operators	400	440	Low	Fair
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Operators	60	80	Low	Fair
51-9021	Crushing, Grinding, and Polishing Machine Operators and Tenders	30	40	Low	Fair
53-3011	Ambulance Drivers and Attendants, Except Emer. Medical Technicians	70	90	Low	Fair
45-2021	Animal Breeders	20	20	Above Avg	Poor
43-9111	Statistical Assistants	70	70	Average	Poor
47-4061	Rail-Track Laying and Maintenance Equipment Operators	40	30	Average	Poor
49-9093	Fabric Menders, Except Garment	10	10	Average	Poor
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	80	70	Average	Poor
51-4072	Molding, Coremaking, and Casting Machine Operators, Metal and Plastic	0	0	Average	Poor
51-9011	Chemical Equipment Operators and Tenders	140	120	Above Avg	Poor
53-7041	Hoist and Winch Operators	10	10	Above Avg	Poor
23-2093	Title Examiners, Abstractors, and Searchers	130	120	Below Avg	Poor
25-9011	Audio-Visual Collections Specialists	10	10	Average	Poor
43-4011	Brokerage Clerks	530	490	Below Avg	Poor
43-5011	Cargo and Freight Agents	70	80	Average	Poor
43-6014	Secretaries, Except Legal, Medical, and Executive	6,610	6,290	Below Avg	Poor
43-9011	Computer Operators	550	450	Below Avg	Poor
43-9022	Word Processors and Typists	330	210	Below Avg	Poor
47-5021	Earth Drillers, Except Oil and Gas	20	30	Below Avg	Poor
49-9011	Mechanical Door Repairers	10	10	Average	Poor
49-9045	Refractory Materials Repairers, Except Brickmasons	10	10	Average	Poor
49-9061	Camera and Photographic Equipment Repairers	100	90	Average	Poor
49-9097	Signal and Track Switch Repairers	50	60	Below Avg	Poor
51-2092	Team Assemblers	1,500	1,280	Average	Poor
51-4021	Extruding and Drawing Machine Operators and Tenders, Metal and Plastic	360	360	Below Avg	Poor
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	80	70	Below Avg	Poor



Occupation Projections by Education

2002 – 2012

SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
51-4031	Cutting, Punching, and Press Machine Operators, Metal and Plastic	450	390	Below Avg	Poor
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Oper., Metal and Plastic	70	60	Average	Poor
51-4034	Lathe and Turning Machine Operators and Tenders, Metal and Plastic	30	20	Average	Poor
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	80	80	Below Avg	Poor
51-4122	Welding, Soldering, and Brazing Machine Operators and Tenders	110	100	Average	Poor
51-4191	Heat Treating Equipment Operators and Tenders, Metal and Plastic	40	30	Below Avg	Poor
51-5023	Printing Machine Operators	530	450	Below Avg	Poor
51-6091	Extruding and Forming Machine Operators, Synthetic and Glass Fibers	120	100	Below Avg	Poor
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	360	310	Average	Poor
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	130	120	Below Avg	Poor
51-9041	Extruding, Forming, Pressing, and Compacting Machine Operators	170	150	Below Avg	Poor
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	40	30	Below Avg	Poor
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,200	1,110	Below Avg	Poor
51-9083	Ophthalmic Laboratory Technicians	20	20	Below Avg	Poor
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	130	120	Below Avg	Poor
53-5022	Motorboat Operators	110	110	Below Avg	Poor
33-3011	Bailiffs	20	20	Below Avg	Poor
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	80	90	Low	Poor
41-2022	Parts Salespersons	640	630	Below Avg	Poor
43-9021	Data Entry Keyers	1,480	1,350	Low	Poor
45-4022	Logging Equipment Operators	10	10	Low	Poor
49-3091	Bicycle Repairers	10	20	Low	Poor
51-2091	Fiberglass Laminators and Fabricators	40	30	Low	Poor
51-4193	Plating and Coating Machine Operators and Tenders, Metal and Plastic	40	40	Low	Poor
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	90	60	Low	Poor
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	10	10	Low	Poor
51-9022	Grinding and Polishing Workers, Hand	30	30	Low	Poor
51-9131	Photographic Process Workers	70	60	Low	Poor
51-9191	Cementing and Gluing Machine Operators and Tenders	30	20	Below Avg	Poor



SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	10	10	Below Avg	Poor
Jobs Requiring Short-Term On-The-Job Training					
31-1012	Nursing Aides, Orderlies, and Attendants	4,410	5,070	Low	Excellent
33-9032	Security Guards	3,370	4,110	Low	Excellent
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	5,980	7,520	Low	Excellent
35-3031	Waiters and Waitresses	6,630	8,010	Low	Excellent
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	7,710	8,660	Low	Excellent
39-9021	Personal and Home Care Aides	1,240	1,740	Low	Excellent
41-2011	Cashiers	9,730	11,220	Low	Excellent
41-2031	Retail Salespersons	15,950	17,660	Low	Excellent
43-4171	Receptionists and Information Clerks	3,540	4,450	Low	Excellent
43-9061	Office Clerks, General	11,390	12,360	Low	Excellent
53-3033	Truck Drivers, Light or Delivery Services	3,110	3,690	Below Avg	Excellent
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	5,400	5,950	Low	Excellent
43-5061	Production, Planning, and Expediting Clerks	920	1,030	Average	Good
43-3011	Bill and Account Collectors	2,320	2,670	Below Avg	Good
43-4161	Human Resources Assistants, Except Payroll and Time-keeping	590	690	Average	Good
25-9041	Teacher Assistants	2,560	2,960	Low	Good
31-1011	Home Health Aides	1,190	1,570	Low	Good
35-2015	Cooks, Short Order	1,330	1,460	Low	Good
35-2021	Food Preparation Workers	1,920	2,390	Low	Good
35-3011	Bartenders	1,650	1,830	Low	Good
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	2,220	2,550	Low	Good
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,430	1,660	Low	Good
35-9021	Dishwashers	1,710	1,900	Low	Good
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,070	1,300	Low	Good
37-2012	Maids and Housekeeping Cleaners	3,420	3,700	Low	Good
37-3011	Landscaping and Groundskeeping Workers	2,460	2,950	Low	Good
39-2021	Nonfarm Animal Caretakers	580	730	Low	Good
39-3091	Amusement and Recreation Attendants	470	630	Low	Good
39-9011	Child Care Workers	2,580	2,980	Low	Good
41-2021	Counter and Rental Clerks	1,160	1,500	Low	Good
43-3071	Tellers	1,430	1,640	Low	Good
43-5071	Shipping, Receiving, and Traffic Clerks	3,060	3,280	Low	Good
45-2093	Farmworkers, Farm and Ranch Animals	330	330	Low	Good
47-3012	Helpers--Carpenters	610	710	Low	Good



Occupation Projections by Education

2002 – 2012

SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
49-9098	Helpers--Installation, Maintenance, and Repair Workers	540	660	Below Avg	Good
53-3022	Bus Drivers, School	1,410	1,550	Low	Good
53-3031	Driver/Sales Workers	1,140	1,250	Low	Good
53-7051	Industrial Truck and Tractor Operators	1,960	2,250	Below Avg	Good
53-7064	Packers and Packers, Hand	1,900	2,000	Low	Good
25-4031	Library Technicians	290	320	Below Avg	Fair
31-9093	Medical Equipment Preparers	180	200	Below Avg	Fair
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	40	40	Below Avg	Fair
41-9091	Door-To-Door Sales Workers, News and Street Vendors	150	160	Average	Fair
43-4031	Court, Municipal, and License Clerks	290	330	Below Avg	Fair
43-5111	Weighers, Measurers, Checkers, and Samplers, Record-keeping	410	430	Average	Fair
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	50	60	Below Avg	Fair
49-9043	Maintenance Workers, Machinery	210	270	Average	Fair
51-9111	Packaging and Filling Machine Operators and Tenders	1,810	1,860	Below Avg	Fair
53-7081	Refuse and Recyclable Material Collectors	240	280	Below Avg	Fair
31-1013	Psychiatric Aides	30	30	Low	Fair
31-2022	Physical Therapist Aides	120	180	Low	Fair
31-9095	Pharmacy Aides	260	340	Low	Fair
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	220	250	Low	Fair
35-2011	Cooks, Fast Food	680	730	Low	Fair
33-9091	Crossing Guards	90	110	Low	Fair
35-3041	Food Servers, Nonrestaurant	470	500	Low	Fair
37-3013	Tree Trimmers and Pruners	110	130	Below Avg	Fair
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	50	60	Low	Fair
39-4021	Funeral Attendants	80	100	Low	Fair
39-5093	Shampooers	340	400	Low	Fair
39-6011	Baggage Porters and Bellhops	70	70	Low	Fair
41-2012	Gaming Change Persons and Booth Cashiers	60	80	Low	Fair
43-4021	Correspondence Clerks	140	150	Below Avg	Fair
43-4081	Hotel, Motel, and Resort Desk Clerks	440	490	Low	Fair
43-4111	Interviewers, Except Eligibility and Loan	440	510	Below Avg	Fair
43-4121	Library Assistants, Clerical	90	100	Low	Fair
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	310	390	Below Avg	Fair
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	3,930	4,080	Low	Fair
47-3011	Helpers--Brick-, Blockmasons, Stonemasons, and Tile and Marble Setters	220	230	Low	Fair
47-3013	Helpers--Electricians	200	230	Below Avg	Fair
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	230	260	Low	Fair
47-3016	Helpers--Roofers	40	50	Low	Fair



SOC Code	Occupation Title	2002 Est Empl	2012 Proj Empl	Wage Level	Job Availability
49-3093	Tire Repairers and Changers	150	160	Low	Fair
49-9096	Riggers	40	50	Below Avg	Fair
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	4,130	4,170	Low	Fair
51-6021	Pressers, Textile, Garment, and Related Materials	250	260	Low	Fair
51-6051	Sewers, Hand	120	140	Low	Fair
51-9132	Photographic Processing Machine Operators	110	120	Low	Fair
51-9198	Helpers--Production Workers	1,720	1,810	Low	Fair
53-3041	Taxi Drivers and Chauffeurs	480	540	Low	Fair
53-5011	Sailors and Marine Oilers	10	10	Low	Fair
53-6021	Parking Lot Attendants	140	160	Low	Fair
53-7061	Cleaners of Vehicles and Equipment	800	870	Low	Fair
41-9041	Telemarketers	1,160	1,040	Average	Poor
43-5041	Meter Readers, Utilities	110	110	Average	Poor
43-5051	Postal Service Clerks	260	260	Average	Poor
43-5052	Postal Service Mail Carriers	1,000	990	Above Avg	Poor
43-5053	Postal Service Mail Sorters, Processors, and Processing Mach. Operators	760	680	Average	Poor
43-2021	Telephone Operators	70	40	Below Avg	Poor
43-3061	Procurement Clerks	160	140	Average	Poor
43-4041	Credit Authorizers, Checkers, and Clerks	1,200	1,020	Below Avg	Poor
43-4131	Loan Interviewers and Clerks	850	710	Below Avg	Poor
43-9081	Proofreaders and Copy Markers	20	20	Average	Poor
51-2023	Electromechanical Equipment Assemblers	80	80	Average	Poor
51-5011	Bindery Workers	100	70	Below Avg	Poor
53-6041	Traffic Technicians	10	20	Average	Poor
53-7063	Machine Feeders and Offbearers	210	170	Below Avg	Poor
31-2012	Occupational Therapist Aides	20	30	Low	Poor
39-3031	Ushers, Lobby Attendants, and Ticket Takers	60	70	Low	Poor
43-2011	Switchboard Operators, Including Answering Service	820	800	Low	Poor
43-4071	File Clerks	670	650	Low	Poor
43-4151	Order Clerks	900	830	Below Avg	Poor
43-5021	Couriers and Messengers	310	300	Low	Poor
43-5081	Stock Clerks and Order Fillers	5,630	5,500	Low	Poor
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	870	820	Low	Poor
43-9071	Office Machine Operators, Except Computer	220	200	Low	Poor
47-5081	Helpers--Extraction Workers	10	10	Low	Poor
51-2021	Coil Winders, Tapers, and Finishers	30	20	Low	Poor
51-3092	Food Batchmakers	120	110	Low	Poor
51-3093	Food Cooking Machine Operators and Tenders	40	40	Low	Poor
51-9123	Painting, Coating, and Decorating Workers	10	20	Low	Poor
53-6031	Service Station Attendants	180	180	Low	Poor



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 previously; 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 2002 to 2012, total 10-year expected openings due to growth, total 10-year openings

due to replacement (the total expected job openings would be the sum of these two numbers), and the estimated 2003 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 29,000, while the Government and Public Administration cluster is expected to generate the fewest, less than 700. 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).

Information Technology is the highest-paying cluster; its occupations paid an average wage of \$65,180 in 2003. Hospitality and Tourism had the lowest average wage; this cluster's occupations paid an average \$20,450 in 2003. 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 by Career Cluster

Career Cluster	Avg. 2003 Wage (Rank)	10-Year Total Growth Openings	10-Year Total Replacement Openings	10-year Total Openings (Rank)
Agriculture, Food and Natural Resources	\$31,550 (15th)	1,040	1,860	2,900 (13th)
Architecture and Construction	39,880 (9th)	5,020	5,600	10,620 (6th)
Arts, A/V Technology and Communications	39,270 (10th)	760	1,350	2,110 (15th)
Business Management and Administration	40,530 (8th)	11,350	17,840	29,190 (1st)
Education and Training	48,180 (4th)	5,970	6,490	12,460 (4th)
Finance	45,910 (5th)	2,570	4,810	7,380 (9th)



Wages and Projected Openings by Career Cluster (continued)

Career Cluster	Avg. 2003 Wage (Rank)	10-Year Total Growth Openings	10-Year Total Replacement Openings	10-year Total Openings (Rank)
Government and Public Education	44,170 (7th)	290	380	670 (16th)
Health Sciences	49,760 (3rd)	6,800	5,240	12,040 (5th)
Hospitality and Tourism	20,450 (16th)	7,110	14,910	22,020 (3rd)
Human Services	31,600 (14th)	2,740	2,620	5,360 (10th)
Information Technology	65,180 (1st)	3,000	1,780	4,780 (11th)
Law, Public Safety and Security	45,890 (6th)	1,960	2,600	4,560 (12th)
Manufacturing	35,220 (11th)	1,710	6,960	8,670 (8th)
Marketing, Sales and Service	31,610 (13th)	7,780	19,360	27,140 (2nd)
Science, Technology, Engineering and Mathematics	63,080 (2nd)	570	1,710	2,280 (14th)
Transportation, Distribution and Logistics	33,080 (12th)	3,370	6,910	10,280 (7th)



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
Agriculture, Food and Natural Resource Career Cluster					
19-4011	Agricultural and Food Science Technicians	1.1%	10	10	26,683
19-1010	Agricultural and Food Scientists	0.7%	0	10	51,316
45-2011	Agricultural Inspectors	1.0%	10	20	29,033
45-2021	Animal Breeders	0.0%	0	0	50,655
39-2011	Animal Trainers	2.1%	30	20	23,845
19-1031	Conservation Scientists	0.0%	0	10	54,239
47-5021	Earth Drillers, Except Oil and Gas	1.6%	0	10	30,348
17-3025	Environmental Engineering Technicians	1.3%	10	10	38,037
11-9011	Farm, Ranch, and Other Agricultural Managers	-2.2%	0	0	42,792
45-2093	Farmworkers, Farm and Ranch Animals	0.2%	140	90	22,410
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	1.4%	40	60	40,236
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	1.5%	70	40	39,470
19-4093	Forest and Conservation Technicians	0.0%	0	0	50,392
45-4011	Forest and Conservation Workers	1.0%	10	40	29,056
19-1032	Foresters	1.0%	0	0	44,660
51-8092	Gas Plant Operators	-1.2%	0	60	51,075
19-4041	Geological and Petroleum Technicians	0.5%	0	10	52,204
45-2041	Graders and Sorters, Agricultural Products	-0.7%	0	90	18,602
47-5081	Helpers--Extraction Workers	0.0%	0	0	20,710
37-3011	Landscaping and Groundskeeping Workers	1.8%	490	540	22,160
45-4022	Logging Equipment Operators	0.0%	0	0	23,512
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	0.1%	0	20	93,898
39-2021	Nonfarm Animal Caretakers	2.5%	160	140	17,980
37-2021	Pest Control Workers	0.7%	10	20	28,838
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	0.5%	0	20	25,574
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	0.2%	10	110	39,978
51-8012	Power Distributors and Dispatchers	-0.8%	0	30	33,901
51-8013	Power Plant Operators	0.3%	10	80	55,287
13-1021	Purchasing Agents and Buyers, Farm Products	1.5%	10	30	45,484
51-8021	Stationary Engineers and Boiler Operators	-1.2%	0	20	45,384
37-3013	Tree Trimmers and Pruners	1.1%	10	30	27,272
51-8031	Water and Liquid Waste Treatment Plant and System Operators	1.1%	20	70	36,739
19-1023	Zoologists and Wildlife Biologists	0.7%	0	10	69,646



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
Architecture and Construction Career Cluster					
17-1011	Architects, Except Landscape and Naval	1.4%	30	20	61,055
17-3011	Architectural and Civil Drafters	-0.3%	0	60	38,331
47-2021	Brickmasons and Blockmasons	1.8%	110	90	38,961
47-2031	Carpenters	1.4%	470	530	35,411
47-2051	Cement Masons and Concrete Finishers	2.5%	120	90	32,874
47-4011	Construction and Building Inspectors	1.3%	50	80	40,653
47-2061	Construction Laborers	1.8%	530	360	25,657
11-9021	Construction Managers	1.8%	310	290	69,706
13-1051	Cost Estimators	1.9%	120	130	54,262
53-7021	Crane and Tower Operators	0.5%	10	50	42,484
47-2081	Drywall and Ceiling Tile Installers	2.5%	30	30	38,878
17-3012	Electrical and Electronics Drafters	0.2%	0	30	56,970
49-9051	Electrical Power-Line Installers and Repairers	0.6%	20	80	54,524
47-2111	Electricians	2.2%	630	530	43,341
47-4021	Elevator Installers and Repairers	1.9%	40	40	78,898
53-7032	Excavating and Loading Machine and Dragline Operators	1.2%	20	50	34,292
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	1.8%	360	310	55,032
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	2.7%	90	40	28,861
47-2121	Glaziers	1.6%	10	10	29,861
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	3.2%	450	160	34,827
47-3019	Helpers, Construction Trades, All Other	1.3%	20	40	19,993
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	0.5%	10	90	22,719
47-3012	Helpers--Carpenters	1.6%	110	250	22,118
47-3013	Helpers--Electricians	1.5%	30	80	26,264
49-9098	Helpers--Installation, Maintenance, and Repair Workers	2.1%	120	180	26,117
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	1.7%	10	20	29,052
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	1.2%	30	100	23,096
47-3016	Helpers--Roofers	1.7%	10	20	20,911
47-4051	Highway Maintenance Workers	1.6%	20	20	29,001
53-7041	Hoist and Winch Operators	1.1%	0	0	44,557
47-2130	Insulation Workers	1.5%	50	90	31,540
17-1012	Landscape Architects	1.4%	10	10	53,386
17-3013	Mechanical Drafters	-1.0%	0	40	50,486
43-5041	Meter Readers, Utilities	-0.1%	0	40	37,130



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
47-2073	Operating Engineers and Other Construction Equipment Operators	1.2%	150	300	35,144
47-2141	Painters, Construction and Maintenance	1.5%	190	180	35,340
47-2142	Paperhangers	0.7%	10	20	32,418
47-2071	Paving, Surfacing, and Tamping Equipment Operators	1.5%	30	20	36,187
47-2151	Pipelayers	1.6%	20	20	33,892
47-2161	Plasterers and Stucco Masons	1.6%	30	30	41,248
47-2152	Plumbers, Pipefitters, and Steamfitters	1.8%	390	470	43,983
47-4061	Rail-Track Laying and Maintenance Equipment Operators	-1.4%	0	10	40,826
49-9045	Refractory Materials Repairers, Except Brickmasons	-1.5%	0	0	35,961
47-2171	Reinforcing Iron and Rebar Workers	1.4%	10	10	51,448
49-9096	Riggers	1.9%	10	10	27,648
47-2181	Roofers	1.9%	60	70	32,229
49-2098	Security and Fire Alarm Systems Installers	2.3%	90	70	44,532
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	2.4%	20	20	25,279
47-2211	Sheet Metal Workers	1.5%	90	130	38,238
49-9097	Signal and Track Switch Repairers	0.6%	0	20	31,662
47-2022	Stonemasons	1.7%	20	20	26,842
47-2221	Structural Iron and Steel Workers	1.8%	50	50	48,530
17-1022	Surveyors	0.3%	10	180	35,264
47-2082	Tapers	2.4%	10	0	45,155
47-2044	Tile and Marble Setters	2.4%	10	10	52,470

Arts, A/V Technology and Communications Career Cluster

27-2011	Actors	1.6%	0	0	22,608
25-4010	Archivists, Curators, and Museum Technicians	0.7%	10	30	45,104
27-1011	Art Directors	0.8%	10	20	59,461
27-4011	Audio and Video Equipment Technicians	1.8%	30	40	30,034
25-9011	Audio-Visual Collections Specialists	0.0%	0	0	34,944
51-5011	Bindery Workers	-2.5%	0	30	28,951
27-4012	Broadcast Technicians	1.4%	10	10	32,502
27-4031	Camera Operators, Television, Video, and Motion Picture	1.2%	10	10	30,532
27-2032	Choreographers	0.8%	10	90	36,788
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	2.5%	30	30	28,203
27-1021	Commercial and Industrial Designers	1.4%	20	10	49,606
43-9031	Desktop Publishers	2.6%	20	10	34,305
27-3041	Editors	1.6%	50	70	46,856
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	2.4%	40	30	41,742
27-1024	Graphic Designers	1.6%	60	50	41,063



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
51-5021	Job Printers	-0.6%	0	0	35,297
25-4021	Librarians	0.2%	10	110	53,623
25-4031	Library Technicians	1.0%	30	110	29,607
27-4099	Media and Communication Equipment Workers, All Other	1.6%	10	20	39,533
27-3099	Media and Communication Workers, All Other	1.5%	10	10	29,855
27-1014	Multi-Media Artists and Animators	0.5%	0	0	39,158
49-9063	Musical Instrument Repairers and Tuners	0.0%	0	10	28,439
27-2042	Musicians and Singers	1.4%	30	40	50,875
27-3020	News Analysts, Reporters and Correspondents	0.7%	10	40	33,648
27-4021	Photographers	1.3%	30	50	31,526
51-9131	Photographic Process Workers	-0.6%	0	20	20,270
51-5022	Prepress Technicians and Workers	-2.2%	0	80	33,197
51-5023	Printing Machine Operators	-1.7%	0	120	32,151
27-2012	Producers and Directors	1.3%	10	10	49,399
27-3031	Public Relations Specialists	2.9%	130	60	43,102
27-1027	Set and Exhibit Designers	0.0%	0	0	29,457
27-4014	Sound Engineering Technicians	1.7%	10	10	27,828
27-3042	Technical Writers	2.4%	30	30	52,926
49-9052	Telecommunications Line Installers and Repairers	2.2%	90	110	42,640
43-2021	Telephone Operators	-4.7%	0	20	27,938
39-3031	Ushers, Lobby Attendants, and Ticket Takers	0.3%	0	40	18,707
27-3043	Writers and Authors	2.8%	60	30	48,816

Business Management and Administration Career Cluster

13-2011	Accountants and Auditors	1.7%	600	620	49,179
11-3011	Administrative Services Managers	1.9%	230	220	53,222
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	3.6%	0	0	38,004
43-3021	Billing and Posting Clerks and Machine Operators	0.6%	110	270	29,301
13-2031	Budget Analysts	1.3%	20	20	58,621
13-1199	Business Operations Specialists, All Other	2.4%	440	280	61,127
11-1011	Chief Executives	1.6%	510	550	114,905
13-1072	Compensation, Benefits, and Job Analysis Specialists	2.0%	140	100	46,246
43-4021	Correspondence Clerks	0.3%	10	40	27,169
43-5021	Couriers and Messengers	-0.5%	0	70	22,286
43-4051	Customer Service Representatives	1.7%	2260	1830	30,526
43-9021	Data Entry Keyers	-0.9%	0	350	22,580
13-1071	Employment, Recruitment, and Placement Specialists	2.1%	160	110	48,123
43-6011	Executive Secretaries and Administrative Assistants	0.7%	500	1270	36,332
43-4071	File Clerks	-0.2%	0	200	22,590



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
13-2099	Financial Specialists, All Other	2.0%	60	50	45,816
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	0.3%	180	1240	42,999
11-1021	General and Operations Managers	1.8%	1810	1720	84,458
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1.6%	100	130	34,247
11-3040	Human Resources Managers	1.7%	110	100	83,051
27-3091	Interpreters and Translators	-1.8%	0	0	40,508
43-4111	Interviewers, Except Eligibility and Loan	1.4%	60	110	26,190
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1.2%	950	1460	19,055
43-6012	Legal Secretaries	0.9%	100	200	38,485
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	-0.5%	0	260	22,459
13-1111	Management Analysts	2.2%	390	220	82,717
43-6013	Medical Secretaries	1.2%	160	250	26,658
43-9061	Office Clerks, General	0.8%	970	2520	24,512
43-9071	Office Machine Operators, Except Computer	-0.9%	0	60	23,174
43-4151	Order Clerks	-0.7%	0	200	26,298
43-9081	Proofreaders and Copy Markers	0.5%	0	0	36,715
11-2031	Public Relations Managers	1.5%	70	70	65,517
43-4171	Receptionists and Information Clerks	2.3%	900	870	22,823
43-6014	Secretaries, Except Legal, Medical, and Executive	-0.5%	0	1270	29,132
43-5071	Shipping, Receiving, and Traffic Clerks	0.7%	230	630	22,469
43-9111	Statistical Assistants	0.0%	0	10	40,868
15-2041	Statisticians	0.6%	10	30	65,223
43-2011	Switchboard Operators, Including Answering Service	-0.2%	0	210	23,246
13-2082	Tax Preparers	1.5%	60	60	29,632
23-2093	Title Examiners, Abstractors, and Searchers	-0.8%	0	10	31,456
13-1073	Training and Development Specialists	1.8%	210	160	51,713
43-9022	Word Processors and Typists	-4.7%	0	70	32,622

Education and Training Career Cluster

25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	1.4%	60	50	44,882
25-1041	Agricultural Sciences Teachers, Postsecondary	2.4%	50	40	75,311
25-1061	Anthropology and Archeology Teachers, Postsecondary	2.5%	10	10	64,308
25-1031	Architecture Teachers, Postsecondary	2.3%	10	10	59,140
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	2.3%	10	10	73,226
25-1121	Art, Drama, and Music Teachers, Postsecondary	2.8%	60	40	62,163



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	2.4%	20	20	93,543
25-1042	Biological Science Teachers, Postsecondary	2.4%	20	20	80,501
25-1011	Business Teachers, Postsecondary	2.7%	100	70	80,857
25-1052	Chemistry Teachers, Postsecondary	2.5%	20	20	89,621
25-1122	Communications Teachers, Postsecondary	2.6%	20	20	53,471
25-1021	Computer Science Teachers, Postsecondary	2.5%	40	30	73,068
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	2.2%	10	10	62,162
25-1063	Economics Teachers, Postsecondary	2.6%	20	20	85,113
11-9032	Education Administrators, Elementary and Secondary School	1.2%	90	180	77,534
11-9033	Education Administrators, Postsecondary	1.6%	50	70	83,354
11-9031	Education Administrators, Preschool and Child Care Center/Program	1.8%	40	50	38,076
21-1012	Educational, Vocational, and School Counselors	0.5%	50	200	47,854
25-2021	Elementary School Teachers, Except Special Education	0.8%	440	1150	49,499
25-1032	Engineering Teachers, Postsecondary	2.5%	50	40	102,775
25-1123	English Language and Literature Teachers, Postsecondary	2.5%	80	70	69,172
25-9021	Farm and Home Management Advisors	0.1%	0	10	48,555
39-9031	Fitness Trainers and Aerobics Instructors	3.1%	420	270	29,155
25-1124	Foreign Language and Literature Teachers, Postsecondary	2.7%	60	40	48,394
25-1064	Geography Teachers, Postsecondary	2.5%	10	10	78,152
21-1091	Health Educators	1.8%	50	50	36,648
25-1071	Health Specialties Teachers, Postsecondary	2.6%	30	20	59,193
25-1125	History Teachers, Postsecondary	2.6%	40	30	73,856
25-1192	Home Economics Teachers, Postsecondary	2.3%	40	30	60,960
25-9031	Instructional Coordinators	2.0%	120	80	50,553
25-2012	Kindergarten Teachers, Except Special Education	1.7%	80	50	48,754
43-4121	Library Assistants, Clerical	1.1%	10	30	25,047
25-1022	Mathematical Science Teachers, Postsecondary	2.4%	70	60	64,583
25-2022	Middle School Teachers, Except Special and Vocational Education	0.2%	30	330	44,997
25-1072	Nursing Instructors and Teachers, Postsecondary	2.4%	70	60	64,548
25-1054	Physics Teachers, Postsecondary	2.6%	20	10	93,170
25-1065	Political Science Teachers, Postsecondary	2.7%	20	20	66,988
25-1199	Postsecondary Teachers, All Other	2.4%	70	60	45,687
25-2011	Preschool Teachers, Except Special Education	2.1%	270	150	22,149
25-1066	Psychology Teachers, Postsecondary	2.6%	30	20	63,499
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	2.5%	20	10	25,373



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
25-2031	Secondary School Teachers, Except Special and Vocational Education	1.0%	240	610	53,049
25-3021	Self-Enrichment Education Teachers	3.4%	230	70	36,378
25-1113	Social Work Teachers, Postsecondary	2.4%	10	10	52,309
25-1067	Sociology Teachers, Postsecondary	2.6%	20	10	76,299
25-2042	Special Education Teachers, Middle School	1.8%	50	60	48,558
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	1.9%	220	250	53,793
25-2043	Special Education Teachers, Secondary School	1.9%	100	110	56,237
25-9041	Teacher Assistants	1.5%	400	490	23,827
25-2023	Vocational Education Teachers, Middle School	0.3%	0	10	51,119
25-1194	Vocational Education Teachers, Postsecondary	2.5%	80	60	52,586
25-2032	Vocational Education Teachers, Secondary School	0.2%	10	140	54,228

Finance Career Cluster

15-2011	Actuaries	0.7%	0	10	83,761
43-3011	Bill and Account Collectors	1.4%	350	440	31,354
43-3031	Bookkeeping, Accounting, and Auditing Clerks	0.3%	220	1280	29,802
43-4011	Brokerage Clerks	-0.7%	0	70	31,314
13-1031	Claims Adjusters, Examiners, and Investigators	1.1%	60	60	46,462
43-4041	Credit Authorizers, Checkers, and Clerks	-1.6%	0	230	27,980
19-3011	Economists	1.6%	10	10	77,616
13-2051	Financial Analysts	2.0%	170	110	73,844
13-2061	Financial Examiners	1.2%	20	30	62,403
11-3031	Financial Managers	1.8%	470	340	82,429
13-1032	Insurance Appraisers, Auto Damage	0.8%	0	0	49,331
43-9041	Insurance Claims and Policy Processing Clerks	0.0%	10	250	33,223
41-3021	Insurance Sales Agents	0.9%	70	180	49,783
13-2053	Insurance Underwriters	0.9%	30	50	56,186
13-2071	Loan Counselors	1.5%	30	30	46,146
43-4131	Loan Interviewers and Clerks	-1.8%	0	120	29,383
13-2072	Loan Officers	1.3%	120	140	61,692
19-3021	Market Research Analysts	1.8%	100	130	61,416
43-4141	New Accounts Clerks	1.6%	60	80	26,428
43-3051	Payroll and Timekeeping Clerks	0.5%	30	140	30,563
13-2052	Personal Financial Advisors	2.9%	290	110	59,041
43-3061	Procurement Clerks	-1.1%	0	40	35,387
41-3031	Securities, Commodities, and Financial Services Sales Agents	1.4%	310	240	95,053
19-3022	Survey Researchers	1.3%	0	0	28,703



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
13-2081	Tax Examiners, Collectors, and Revenue Agents	0.6%	10	20	59,989
43-3071	Tellers	1.4%	210	700	23,016
Government and Public Administration Career Cluster					
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	1.2%	60	110	49,601
43-4031	Court, Municipal, and License Clerks	1.2%	40	60	28,466
11-1031	Legislators	1.4%	40	30	34,086
11-9151	Social and Community Service Managers	1.7%	130	130	50,090
19-3051	Urban and Regional Planners	1.0%	20	50	48,535
Health Science Career Cluster					
29-1061	Anesthesiologists	1.2%	0	0	178,237
29-9091	Athletic Trainers	3.0%	10	10	34,949
29-1121	Audiologists	1.3%	10	10	59,585
29-2031	Cardiovascular Technologists and Technicians	3.0%	40	20	45,576
29-1011	Chiropractors	2.4%	40	30	152,157
31-9091	Dental Assistants	3.0%	290	240	25,646
29-2021	Dental Hygienists	3.0%	180	40	49,766
29-2032	Diagnostic Medical Sonographers	1.9%	30	30	47,710
29-2051	Dietetic Technicians	1.3%	20	20	20,962
29-1031	Dietitians and Nutritionists	1.6%	30	40	50,411
39-4011	Embalmers	0.5%	0	0	47,278
29-2041	Emergency Medical Technicians and Paramedics	2.2%	70	30	29,542
29-1062	Family and General Practitioners	1.6%	120	90	111,685
29-1199	Health Diagnosing and Treating Practitioners, All Other	2.9%	110	70	125,606
31-9099	Healthcare Support Workers, All Other	2.7%	70	40	30,147
31-1011	Home Health Aides	2.8%	380	160	20,417
29-1063	Internists, General	1.3%	30	30	167,472
29-2061	Licensed Practical and Licensed Vocational Nurses	1.0%	220	480	42,298
31-9011	Massage Therapists	4.0%	80	30	36,528
29-2012	Medical and Clinical Laboratory Technicians	1.0%	50	120	29,582
29-2011	Medical and Clinical Laboratory Technologists	1.4%	50	90	53,943
11-9111	Medical and Health Services Managers	2.2%	210	170	75,327
31-9092	Medical Assistants	4.1%	430	160	25,672
31-9093	Medical Equipment Preparers	1.3%	30	30	29,529
29-2071	Medical Records and Health Information Technicians	3.2%	110	40	26,100
31-9094	Medical Transcriptionists	1.8%	60	60	29,181
29-2033	Nuclear Medicine Technologists	2.0%	10	10	56,329
31-1012	Nursing Aides, Orderlies, and Attendants	1.4%	660	580	24,025



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
29-1064	Obstetricians and Gynecologists	1.4%	10	10	145,456
31-2012	Occupational Therapist Aides	1.3%	0	0	25,334
31-2011	Occupational Therapist Assistants	2.5%	10	10	40,674
29-1122	Occupational Therapists	1.9%	90	60	49,621
29-2081	Opticians, Dispensing	2.4%	60	40	25,787
29-1041	Optometrists	2.2%	60	60	90,768
29-1065	Pediatricians, General	1.9%	20	20	86,508
29-1051	Pharmacists	3.0%	200	110	81,801
31-9095	Pharmacy Aides	2.8%	80	50	19,303
29-2052	Pharmacy Technicians	3.6%	260	80	21,773
31-2022	Physical Therapist Aides	3.8%	60	20	22,393
31-2021	Physical Therapist Assistants	3.6%	80	30	36,601
29-1123	Physical Therapists	2.7%	120	40	63,736
29-1071	Physician Assistants	4.0%	190	60	76,602
29-1069	Physicians and Surgeons, All Other	1.6%	40	30	134,826
29-1081	Podiatrists	1.7%	10	10	126,885
31-1013	Psychiatric Aides	2.7%	10	0	25,176
29-2053	Psychiatric Technicians	0.4%	10	20	28,548
29-1066	Psychiatrists	1.0%	30	40	101,903
29-1124	Radiation Therapists	3.0%	10	10	47,549
29-2034	Radiologic Technologists and Technicians	1.9%	110	100	42,794
29-1125	Recreational Therapists	0.6%	10	30	30,867
29-1111	Registered Nurses	2.1%	1520	1360	57,865
29-1126	Respiratory Therapists	2.9%	80	80	52,913
29-2054	Respiratory Therapy Technicians	3.0%	80	30	56,441
29-1127	Speech-Language Pathologists	1.7%	60	80	60,146
29-1067	Surgeons	1.9%	30	20	188,217
29-2055	Surgical Technologists	2.2%	30	20	34,339
29-1131	Veterinarians	1.9%	30	40	72,542
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	1.4%	30	40	21,126
29-2056	Veterinary Technologists and Technicians	2.9%	60	20	24,476

Hospitality and Tourism Career Cluster

39-3091	Amusement and Recreation Attendants	2.8%	150	140	17,056
27-2021	Athletes and Sports Competitors	4.6%	0	0	82,141
39-6011	Baggage Porters and Bellhops	0.7%	10	20	18,363
35-3011	Bartenders	1.1%	180	650	17,857
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other	1.5%	30	30	24,739
35-1011	Chefs and Head Cooks	1.9%	90	140	31,552



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
27-2022	Coaches and Scouts	2.0%	50	40	35,527
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2.3%	1540	2590	16,804
39-6012	Concierges	1.8%	10	10	20,556
35-2011	Cooks, Fast Food	0.7%	50	210	17,173
35-2012	Cooks, Institution and Cafeteria	0.4%	30	270	22,813
35-2013	Cooks, Private Household	-1.3%	0	0	
35-2014	Cooks, Restaurant	1.8%	470	750	21,257
35-2015	Cooks, Short Order	1.0%	130	410	19,612
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1.4%	340	1450	18,667
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1.5%	230	480	16,558
35-9021	Dishwashers	1.1%	190	580	16,494
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1.7%	360	460	28,382
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	0.8%	100	280	28,836
39-1021	First-Line Supervisors/Managers of Personal Service Workers	1.4%	70	110	30,682
35-9099	Food Preparation and Serving Related Workers, All Other	1.9%	20	30	23,655
35-2021	Food Preparation Workers	2.2%	470	680	17,441
35-3041	Food Servers, Nonrestaurant	0.6%	30	160	18,877
11-9051	Food Service Managers	1.5%	240	250	37,903
41-2012	Gaming Change Persons and Booth Cashiers	3.6%	20	30	23,896
11-9071	Gaming Managers	1.8%	10	10	55,846
39-1011	Gaming Supervisors	2.9%	50	30	35,869
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1.9%	220	340	16,772
43-4081	Hotel, Motel, and Resort Desk Clerks	0.9%	40	200	19,135
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	2.2%	10	10	19,270
11-9081	Lodging Managers	0.2%	10	50	41,636
37-2012	Maids and Housekeeping Cleaners	0.8%	280	720	18,612
13-1121	Meeting and Convention Planners	1.3%	10	20	44,437
39-9032	Recreation Workers	2.1%	200	200	21,924
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	2.3%	80	80	27,187
39-1012	Slot Key Persons	3.2%	20	10	31,361
41-3041	Travel Agents	-1.8%	0	60	29,440
35-3031	Waiters and Waitresses	1.9%	1370	3410	16,848



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
Human Service Cluster					
23-1022	Arbitrators, Mediators, and Conciliators	1.2%	20	20	77,096
39-9011	Child Care Workers	1.4%	400	700	17,335
21-1021	Child, Family, and School Social Workers	1.3%	240	290	35,956
21-2011	Clergy	1.7%	290	320	44,366
19-3031	Clinical, Counseling, and School Psychologists	1.6%	140	180	51,521
21-9099	Counselors, Social, and Religious Workers, All Other	1.3%	100	130	33,826
21-2021	Directors, Religious Activities and Education	2.4%	90	40	
43-4061	Eligibility Interviewers, Government Programs	1.4%	20	40	32,032
21-1013	Marriage and Family Therapists	1.8%	20	30	40,866
21-1022	Medical and Public Health Social Workers	2.3%	80	50	45,884
21-1023	Mental Health and Substance Abuse Social Workers	2.8%	220	120	34,019
21-1014	Mental Health Counselors	2.1%	80	80	30,800
39-9021	Personal and Home Care Aides	3.4%	500	200	18,280
21-1092	Probation Officers and Correctional Treatment Specialists	1.1%	50	70	40,166
21-1015	Rehabilitation Counselors	1.9%	100	110	29,499
39-9041	Residential Advisors	2.2%	50	50	21,323
21-1093	Social and Human Service Assistants	3.5%	300	130	25,530
21-1011	Substance Abuse and Behavioral Disorder Counselors	1.5%	40	60	31,453
Information Technology Career Cluster					
11-3021	Computer and Information Systems Managers	2.8%	320	180	102,249
17-2061	Computer Hardware Engineers	1.6%	10	10	71,903
43-9011	Computer Operators	-2.0%	0	120	32,800
15-1021	Computer Programmers	1.0%	220	480	73,747
15-1031	Computer Software Engineers, Applications	3.1%	140	40	87,589
15-1032	Computer Software Engineers, Systems Software	3.5%	280	70	73,089
15-1099	Computer Specialists, All Other	2.7%	50	20	56,900
15-1041	Computer Support Specialists	2.2%	670	340	51,797
15-1051	Computer Systems Analysts	3.2%	460	140	71,138
49-2011	Computer, Automated Teller, and Office Machine Repairers	0.9%	30	40	36,622
15-1061	Database Administrators	3.6%	150	40	65,318
15-1071	Network and Computer Systems Administrators	2.5%	290	110	67,240
15-1081	Network Systems and Data Communications Analysts	3.9%	300	70	65,296
49-2021	Radio Mechanics	-2.2%	0	0	43,256
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1.4%	80	120	40,720



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
Law, Public Safety and Security Career Cluster					
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	0.9%	0	0	50,722
33-9011	Animal Control Workers	1.7%	10	20	26,275
33-3011	Bailiffs	1.4%	0	0	27,653
33-3012	Correctional Officers and Jailers	1.1%	190	350	31,445
23-2091	Court Reporters	1.1%	10	10	54,608
33-9091	Crossing Guards	2.3%	20	30	19,371
33-3021	Detectives and Criminal Investigators	2.0%	40	50	52,387
33-2021	Fire Inspectors and Investigators	0.0%	0	0	32,983
33-1011	First-Line Supervisors/Managers of Correctional Officers	1.6%	0	0	59,189
33-1012	First-Line Supervisors/Managers of Police and Detectives	1.5%	20	50	71,747
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	1.9%	20	30	43,017
33-2022	Forest Fire Inspectors and Prevention Specialists	1.0%	10	30	24,420
33-9031	Gaming Surveillance Officers and Gaming Investigators	3.5%	10	10	30,812
23-1023	Judges, Magistrate Judges, and Magistrates	1.2%	10	10	121,589
23-2092	Law Clerks	0.6%	20	30	38,127
23-1011	Lawyers	0.9%	190	250	115,732
23-2011	Paralegals and Legal Assistants	1.7%	250	110	38,725
33-3051	Police and Sheriff's Patrol Officers	1.5%	190	310	46,547
43-5031	Police, Fire, and Ambulance Dispatchers	1.7%	30	30	31,889
33-9021	Private Detectives and Investigators	2.8%	40	20	32,838
33-9099	Protective Service Workers, All Other	1.8%	150	510	20,462
27-4013	Radio Operators	1.0%	10	20	31,010
33-9032	Security Guards	2.0%	740	730	22,022
Manufacturing Career Cluster					
51-2099	Assemblers and Fabricators, All Other	-3.0%	0	380	26,334
49-2091	Avionics Technicians	-0.2%	0	10	47,414
51-3011	Bakers	1.6%	80	110	23,895
47-2011	Boilermakers	0.1%	0	70	42,458
51-7011	Cabinetmakers and Bench Carpenters	0.6%	10	50	26,258
49-9061	Camera and Photographic Equipment Repairers	-1.3%	0	30	33,537
47-2041	Carpet Installers	1.9%	80	60	36,711
51-9191	Cementing and Gluing Machine Operators and Tenders	-2.7%	0	10	26,801
51-9011	Chemical Equipment Operators and Tenders	-1.2%	0	40	46,470
51-8091	Chemical Plant and System Operators	-1.8%	0	100	50,288
17-3022	Civil Engineering Technicians	0.6%	10	30	37,979



Occupation Projections by Career Cluster

2002 – 2012

SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	-2.2%	0	0	26,698
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	-0.6%	0	30	30,052
51-2021	Coil Winders, Tapers, and Finishers	-3.2%	0	10	16,160
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	3.1%	10	10	22,806
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	-1.4%	0	30	31,434
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	-1.4%	0	100	28,354
51-9081	Dental Laboratory Technicians	0.3%	0	30	28,807
17-3023	Electrical and Electronic Engineering Technicians	0.5%	20	60	51,905
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	0.6%	10	40	41,534
51-2023	Electromechanical Equipment Assemblers	-1.0%	0	20	33,706
17-3024	Electro-Mechanical Technicians	0.5%	10	20	38,924
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	1.6%	0	10	26,323
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	0.9%	10	20	38,617
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	-0.2%	0	120	31,857
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	-2.0%	0	20	30,045
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	-1.6%	0	50	30,174
49-9093	Fabric Menders, Except Garment	1.8%	0	0	42,305
51-2091	Fiberglass Laminators and Fabricators	-1.7%	0	10	25,229
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	1.3%	200	380	53,125
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	0.0%	10	370	54,886
51-3092	Food Batchmakers	-0.7%	0	30	24,289
51-3093	Food Cooking Machine Operators and Tenders	0.0%	0	10	18,304
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	-0.9%	0	10	31,927
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	-2.9%	0	10	31,263
51-7021	Furniture Finishers	0.9%	0	0	20,674
51-9022	Grinding and Polishing Workers, Hand	0.4%	0	10	24,390



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	-1.1%	0	10	34,008
47-4041	Hazardous Materials Removal Workers	3.5%	60	40	34,558
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	-1.8%	0	10	30,995
51-9198	Helpers--Production Workers	0.5%	90	480	17,923
49-9031	Home Appliance Repairers	0.6%	10	40	30,271
17-3026	Industrial Engineering Technicians	1.5%	20	30	48,156
49-9041	Industrial Machinery Mechanics	-0.5%	0	150	44,708
11-3051	Industrial Production Managers	0.6%	40	120	81,863
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-0.8%	0	270	31,666
49-9099	Installation, Maintenance, and Repair Workers, All Other	1.4%	50	70	37,386
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	-1.6%	0	10	36,700
49-9094	Locksmiths and Safe Repairers	1.2%	10	40	38,031
53-7063	Machine Feeders and Offbearers	-2.5%	0	60	28,312
51-4041	Machinists	0.5%	40	160	41,620
49-9042	Maintenance and Repair Workers, General	1.0%	360	640	33,936
49-9043	Maintenance Workers, Machinery	2.4%	60	50	33,035
49-9095	Manufactured Building and Mobile Home Installers	1.8%	10	20	20,965
49-9011	Mechanical Door Repairers	1.3%	0	0	34,117
17-3027	Mechanical Engineering Technicians	1.0%	20	30	55,899
49-9062	Medical Equipment Repairers	1.4%	20	30	44,800
51-4199	Metal Workers and Plastic Workers, All Other	-0.2%	0	60	40,508
49-9044	Millwrights	0.5%	10	50	45,402
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	-1.6%	0	100	36,364
51-4061	Model Makers, Metal and Plastic	2.3%	10	10	61,806
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	1.2%	10	20	38,432
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	-2.8%	0	0	41,211
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	-0.1%	0	20	28,236
51-4012	Numerical Tool and Process Control Programmers	0.0%	0	0	41,457
51-9083	Ophthalmic Laboratory Technicians	1.4%	0	0	23,866
51-9111	Packaging and Filling Machine Operators and Tenders	0.3%	60	360	28,042
53-7064	Packers and Packagers, Hand	0.5%	110	350	20,210
51-9122	Painters, Transportation Equipment	2.4%	30	30	36,256
51-9123	Painting, Coating, and Decorating Workers	1.3%	0	0	23,602
51-9132	Photographic Processing Machine Operators	1.2%	10	30	19,611



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
51-8099	Plant and System Operators, All Other	1.7%	10	10	40,558
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	-0.8%	0	10	23,889
51-9199	Production Workers, All Other	-2.4%	0	370	29,840
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	1.1%	50	110	52,157
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	-1.2%	0	20	38,791
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	0.0%	0	0	24,570
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	2.4%	20	20	24,625
51-6051	Sewers, Hand	1.8%	20	20	23,381
51-6031	Sewing Machine Operators	1.0%	40	50	21,693
51-6041	Shoe and Leather Workers and Repairers	0.7%	0	0	29,937
51-2041	Structural Metal Fabricators and Fitters	0.3%	10	60	32,704
51-2092	Team Assemblers	-1.6%	0	390	35,392
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	-3.6%	0	20	24,253
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	-2.5%	0	0	26,136
51-6099	Textile, Apparel, and Furnishings Workers, All Other	1.7%	20	20	23,599
51-4111	Tool and Die Makers	-3.3%	0	30	47,670
51-6093	Upholsterers	-0.9%	0	20	31,404
51-4121	Welders, Cutters, Solderers, and Brazers	0.9%	60	200	34,184
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-0.7%	0	30	34,482
Marketing, Sales and Service Career Cluster					
11-2011	Advertising and Promotions Managers	2.4%	100	70	65,104
41-3011	Advertising Sales Agents	1.2%	50	70	45,187
13-2021	Appraisers and Assessors of Real Estate	2.1%	50	40	51,331
39-5011	Barbers	1.0%	30	80	21,324
41-2011	Cashiers	1.4%	1490	4740	18,010
41-2021	Counter and Rental Clerks	2.6%	340	440	21,854
41-9011	Demonstrators and Product Promoters	2.0%	30	30	28,414
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	0.3%	10	40	35,442
53-3031	Driver/Sales Workers	0.9%	100	190	21,657
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	1.1%	110	180	66,192
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1.3%	740	950	44,492



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
27-1023	Floral Designers	0.4%	10	40	25,661
39-4021	Funeral Attendants	1.2%	10	20	23,680
11-9061	Funeral Directors	0.3%	0	20	61,122
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1.5%	340	410	26,798
27-1025	Interior Designers	2.0%	20	10	41,883
51-9071	Jewelers and Precious Stone and Metal Workers	1.3%	10	10	34,506
51-6011	Laundry and Dry-Cleaning Workers	0.7%	80	290	19,238
39-5092	Manicurists and Pedicurists	2.3%	80	60	20,493
11-2021	Marketing Managers	2.3%	220	160	94,523
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	0.1%	40	910	16,659
27-1026	Merchandise Displayers and Window Trimmers	1.8%	30	20	24,282
53-6021	Parking Lot Attendants	1.8%	30	40	17,105
41-2022	Parts Salespersons	-0.3%	0	180	26,993
39-9099	Personal Care and Service Workers, All Other	2.2%	60	50	28,510
51-6021	Pressers, Textile, Garment, and Related Materials	0.4%	10	40	18,354
11-9141	Property, Real Estate, and Community Association Managers	2.2%	140	110	50,565
11-3061	Purchasing Managers	0.5%	10	60	74,930
41-9021	Real Estate Brokers	1.8%	50	50	63,681
41-9022	Real Estate Sales Agents	1.5%	70	90	35,627
41-2031	Retail Salespersons	1.0%	1710	5800	23,866
41-9099	Sales and Related Workers, All Other	1.7%	190	200	50,209
41-9031	Sales Engineers	0.9%	10	30	65,409
11-2022	Sales Managers	2.5%	460	290	96,739
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2.3%	840	850	48,711
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1.9%	210	280	66,749
53-6031	Service Station Attendants	0.1%	0	80	17,045
39-5093	Shampooers	1.6%	60	70	16,269
39-5094	Skin Care Specialists	2.4%	20	10	33,203
43-5081	Stock Clerks and Order Fillers	-0.2%	0	2080	22,682
51-6052	Tailors, Dressmakers, and Custom Sewers	0.0%	0	10	23,238
41-9041	Telemarketers	-1.1%	0	190	36,967
13-1022	Wholesale and Retail Buyers, Except Farm Products	0.8%	20	70	44,160
Science, Technology, Engineering and Mathematics Career Cluster					
19-3091	Anthropologists and Archeologists	0.4%	0	10	37,417
19-2021	Atmospheric and Space Scientists	2.5%	0	0	65,970
19-4021	Biological Technicians	0.4%	40	140	40,573



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
17-2041	Chemical Engineers	1.2%	30	70	81,226
19-2031	Chemists	1.0%	90	300	65,701
17-2051	Civil Engineers	0.3%	20	90	55,145
17-2071	Electrical Engineers	0.2%	10	60	72,324
17-2072	Electronics Engineers, Except Computer	0.0%	0	20	62,295
11-9041	Engineering Managers	0.8%	40	100	103,589
17-2199	Engineers, All Other	-0.3%	0	20	65,475
17-2081	Environmental Engineers	2.5%	60	40	65,779
19-4091	Environmental Science and Protection Technicians, Including Health	1.7%	10	10	35,183
19-2041	Environmental Scientists and Specialists, Including Health	1.3%	40	50	50,357
19-1041	Epidemiologists	1.8%	0	0	39,609
19-4092	Forensic Science Technicians	1.2%	10	10	44,138
19-2042	Geoscientists, Except Hydrologists and Geographers	1.6%	10	10	79,421
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	0.8%	10	20	64,923
19-2043	Hydrologists	1.4%	10	10	53,708
17-2112	Industrial Engineers	0.9%	50	130	71,487
19-1099	Life Scientists, All Other	1.2%	20	30	63,321
19-4099	Life, Physical, and Social Science Technicians, All Other	0.4%	20	130	48,115
17-2131	Materials Engineers	-0.8%	0	20	69,443
15-2021	Mathematicians	1.1%	0	10	32,372
17-2141	Mechanical Engineers	-0.6%	0	140	76,409
11-9121	Natural Sciences Managers	1.0%	30	50	120,839
17-2171	Petroleum Engineers	-0.8%	0	30	81,010
19-2099	Physical Scientists, All Other	0.2%	0	10	60,245
19-3099	Social Scientists and Related Workers, All Other	1.0%	20	30	57,756
17-3031	Surveying and Mapping Technicians	1.8%	40	70	30,319
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	0.3%	10	100	35,246

Transportation, Distribution and Logistics Career Cluster

53-2021	Air Traffic Controllers	1.7%	10	10	68,011
53-1011	Aircraft Cargo Handling Supervisors	1.3%	0	0	23,926
49-3011	Aircraft Mechanics and Service Technicians	0.8%	40	100	43,541
53-2011	Airline Pilots, Copilots, and Flight Engineers	0.6%	10	30	82,635
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	1.8%	10	10	21,173
49-3021	Automotive Body and Related Repairers	1.5%	110	140	33,400
49-3023	Automotive Service Technicians and Mechanics	0.4%	130	930	43,975



SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
49-3091	Bicycle Repairers	0.7%	0	10	17,193
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1.2%	90	190	38,478
53-3022	Bus Drivers, School	0.9%	140	310	24,354
53-5021	Captains, Mates, and Pilots of Water Vessels	4.6%	50	20	57,213
43-5011	Cargo and Freight Agents	0.5%	0	20	35,918
53-7061	Cleaners of Vehicles and Equipment	0.9%	70	280	19,768
53-2012	Commercial Pilots	4.6%	0	0	53,859
43-5032	Dispatchers, Except Police, Fire, and Ambulance	0.9%	50	100	31,756
49-3041	Farm Equipment Mechanics	-0.4%	0	20	27,905
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	1.3%	60	90	39,988
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	1.1%	80	160	45,942
53-7051	Industrial Truck and Tractor Operators	1.4%	290	370	27,557
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1.0%	550	1760	24,100
53-4011	Locomotive Engineers	-0.6%	0	30	69,091
53-7199	Material Moving Workers, All Other	-0.7%	0	120	34,081
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	0.5%	10	40	39,873
53-3099	Motor Vehicle Operators, All Other	3.5%	150	50	27,066
49-3051	Motorboat Mechanics	2.6%	20	20	25,698
53-5022	Motorboat Operators	-0.1%	0	30	30,645
49-3052	Motorcycle Mechanics	2.2%	10	10	26,884
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	1.2%	10	20	31,435
43-5051	Postal Service Clerks	-0.0%	0	70	41,351
43-5052	Postal Service Mail Carriers	-0.1%	0	310	43,205
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	-1.1%	0	200	37,855
11-9131	Postmasters and Mail Superintendents	0.0%	0	10	55,507
43-5061	Production, Planning, and Expediting Clerks	1.2%	110	220	37,962
53-4031	Railroad Conductors and Yardmasters	0.0%	0	10	55,942
49-3092	Recreational Vehicle Service Technicians	2.3%	10	10	27,725
53-7081	Refuse and Recyclable Material Collectors	1.5%	40	60	30,757
53-5011	Sailors and Marine Oilers	5.5%	10	0	24,573
53-5031	Ship Engineers	5.2%	0	0	56,825
53-7121	Tank Car, Truck, and Ship Loaders	1.2%	20	30	39,519
53-3041	Taxi Drivers and Chauffeurs	1.0%	50	40	22,394
49-3093	Tire Repairers and Changers	0.7%	10	60	20,571
53-6041	Traffic Technicians	2.1%	0	0	33,245



Occupation Projections by Career Cluster

2002 – 2012

SOC Code	Occupation Title	Annual Growth Rate	Total Openings due to Growth	Total Openings due to Replacements	2003 Ave Annual Wage
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	1.6%	10	10	31,055
53-6051	Transportation Inspectors	0.8%	10	20	41,271
11-3071	Transportation, Storage, and Distribution Managers	1.5%	60	70	76,492
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1.4%	570	620	34,360
53-3033	Truck Drivers, Light or Delivery Services	1.7%	580	290	26,444
49-3099	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers, All Other	0.6%	0	10	36,542



Industry Projections

Total employment in Delaware is projected to increase by 58,000 jobs from 2002 to 2012, which would be equivalent to an average annual growth rate of 1.2 percent. This represents a slowdown in job growth for the state, since 83,800 new jobs were created from 1992 to 2002, an average annual rate of 2.1 percent. This expected slower growth is spread across the majority of industries, with only **Transportation and Warehousing, Management of Companies and Enterprises,** and **Manufacturing** expected to grow at faster rates over the coming decade. (Manufacturing is actually expected to shrink, not grow, but at a slower rate than it declined from 1992 to 2002.)

Long-term industry and occupational forecasts are produced for a period ten years into the future every two years. These 2002-2012 projections are the first using the North American Industry Classification System (NAICS) in place of the previously used Standard Industrial Classification (SIC), which had been in use in the U.S. since the late 1930's. Although NAICS was only developed in the late 1990's, estimates of industry employment based on the NAICS categories were backcast to 1990, thus allowing the comparisons found here. The basic NAICS industry unit is known as the Industry Sector; there are 20 of them (this compares with 10 basic Industry Divisions under SIC). It is these sectors which we analyze below.

In terms of increase in the total number of jobs, **Health Care and Social Assistance** is expected to generate the largest increase in jobs, just as it did over the last decade. It is currently the second-largest of Delaware's industry sectors, behind Retail Trade.

This ranking should hold in 2012, with Health Care closing ground. In terms of average pay per employee, Health Care and Social Assistance ranks in the middle of the state's industries (10th out of 19 non-government industries in 2002), so its growth would not be expected to exert much influence on overall wages.

Retail Trade is projected to provide the second highest total of net new jobs, with a total of 6,900 new jobs expected, down from 8,700 net new jobs the previous decade. Within retail, we expect that **food and beverage stores, health and personal care stores, and motor vehicle and parts dealers** will add the most jobs, over 1,000 each. Retail Trade is one of the lowest-paying industry sectors on average (16th lowest out of 19); increasing its share of the state's jobs tends to lower the overall average wage. However, this is at least partly due to the high proportion of part-time workers in the industry, about 40 percent of the total. Since about 90 percent of all part-time workers do not want full-time jobs, the benefit of flexibility may offset somewhat the lower average pay.

Administrative Support and Waste Management and Remediation Services is expected to gain the third highest number of jobs. This NAICS sector combines industries that were spread across a variety of SIC industries in the past, such as **facilities support, temporary help, telephone call centers, and janitorial services.** It is a low-wage industry on average in Delaware, ranked at 17th lowest out of 19. We expect there will be 5,300 more jobs in this industry in 2012 than there were in 2002, an annual growth rate of 2.1 percent.

The industry sector **Management of Companies and Enterprises** is expected to be the fastest growing industry sector, while adding the fifth highest amount of jobs. Large firms with operational headquarters in Delaware are included in this industry, as are holding companies. It is a high wage industry in the state, with average wages of \$72,530 in 2002, second only to **Utilities** (\$86,750).

Arts, Entertainment, and Recreation is projected to be the second fastest growing industry, just as it was last decade (**Information** was fastest, but is projected to grow substantially slower in the coming decade). This will tend to reduce the overall average wage in the state, as the average wage was \$20,480 in 2002. Only **Accommodation and Food Services**, at \$14,300, paid lower average wages.

The third fastest growing industry should be **Transportation and Warehousing.** The 2,350 additional jobs projected by 2012 represent a growth rate of 2.1 percent per year. In terms of average pay this industry is a little below average, at \$32,190. Almost two-thirds of this industry's new jobs are expected to come from the **warehousing** segment.

Construction is expected to show above-average growth, just as it did in the previous decade. There were 5,200 more jobs in Construction in 2002 than in 1992, and we expect an additional 4,400 jobs by 2012. About three-fourths of those jobs will be **specialty trade contractors.** Construction pays wages right around the overall state average.



Finance and Insurance, which is far and away Delaware’s largest industry in terms of contribution to gross state product, accounting for 31.4 percent of the state’s GSP in 2002, is projected to grow at a much slower pace over the next 10 years than it has over the previous 20 years. In fact, job growth in this industry essentially came to a halt in 1999 and has turned negative recently, due primarily to consolidation among credit card banks. While this consolidation is expected to continue, we expect that modest job growth will return in the next decade, although at a slower rate than the overall state average. In other words, we do not expect Finance and Insurance to return to its place as one of Delaware’s fastest growing industries

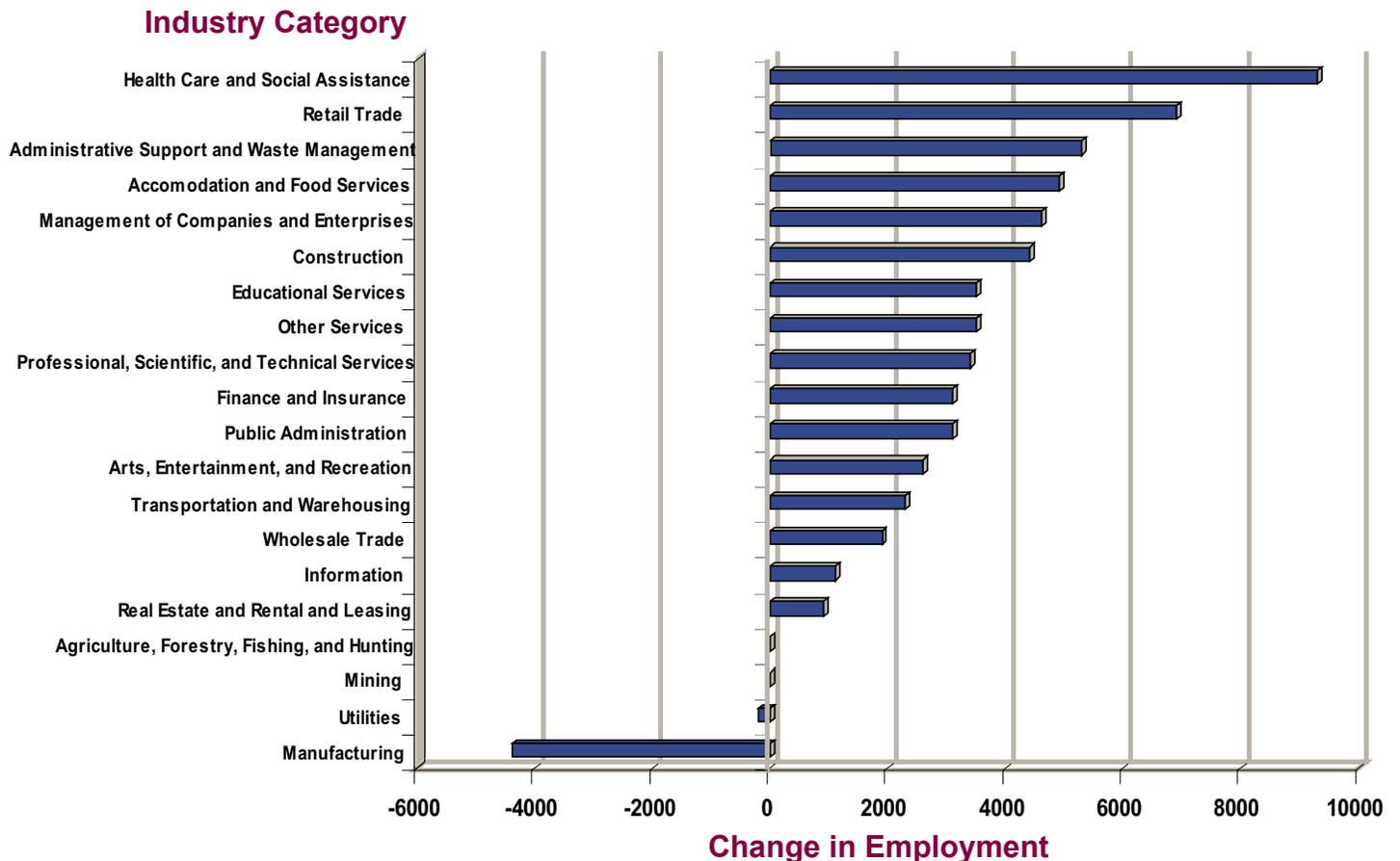
in the coming decade. This will tend to reduce overall wage levels; the average industry wage of \$55,430 was fourth highest out of 19 in 2002.

Another high paying industry in the state, **Professional, Scientific, and Technical Services**, is projected to grow right at the overall state average rate of 1.2 percent per year, adding 3,400 new jobs by 2012. This industry includes **legal services, accounting services, advertising, computer services, and scientific research**. Of some concern is this last industry group, scientific research, which has declined by about 1,500 jobs (25 percent) in the last two years.

Accommodation and Food Services is expected to add almost 5,000 jobs by 2012, the fourth highest total, with almost all of that gain expected in **food services**. It is Delaware’s lowest paying industry, with an average wage of \$14,300 in 2002. This industry does, however, provide many of the state’s young people with their first work experiences.

Educational Services, although expected to add a total of 3,500 jobs by 2012, is projected to grow only about half as fast as it did during the past ten years. This industry, which includes **elementary and secondary schools, colleges and universities, and business and trade schools**, is largely driven by

Projected Employment Change by Industry Category 2002 – 2012





demographics. Its slower growth reflects the projected slower increase in Delaware’s school age population over the next ten years (Educational Services is projected to increase by a total of 10.7 percent from 2002 to 2012, while Delawareans between the ages of 6 and 24, inclusive, are expected to be 5.6 percent more numerous in 2012). Educational Services falls into the category of lower-paying industries; the \$30,280 average pay in 2002 ranks it 13th out of 19.

Manufacturing, once easily Delaware’s biggest industry, continued its long decline during the last ten years, losing 7,200 jobs from 2002 to 2012. We are projecting continued decline, with another 4,400 jobs lost in the next ten years. This means the loss of relatively high paying jobs, as the industry’s

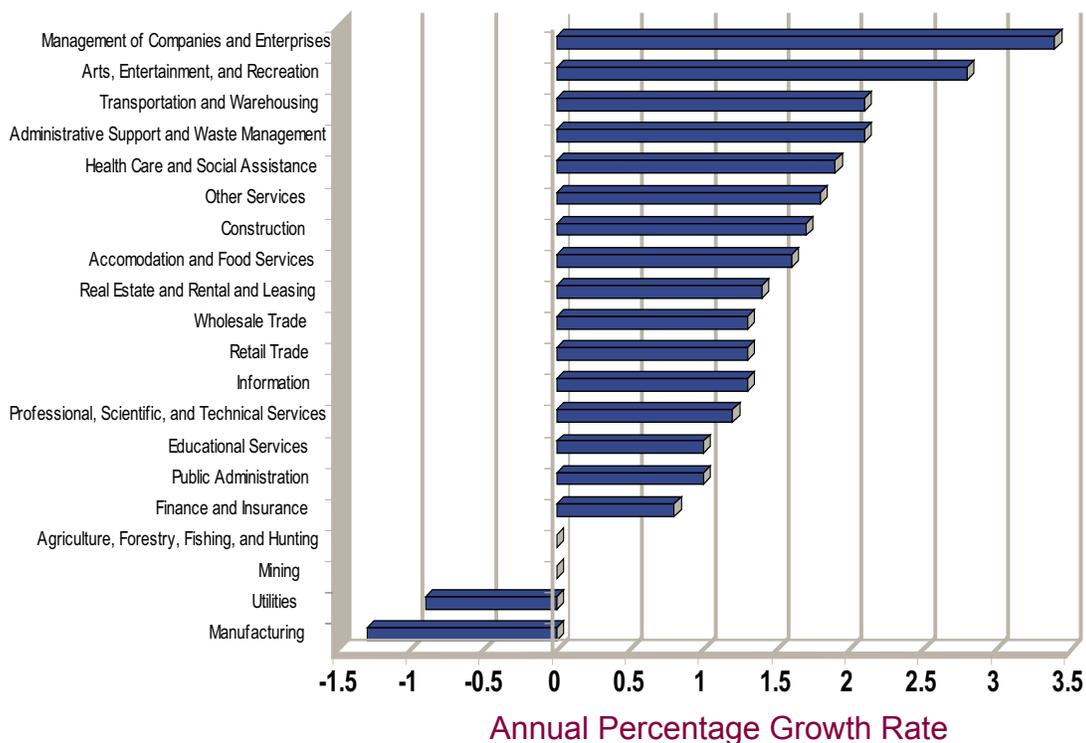
average wage of \$49,000 ranked it 7th highest in 2002. **Chemical manufacturing** was responsible for most of the job loss in the last decade. There were fewer than half as many jobs in that sub sector in 2002 as there were in 1992 (4,700 versus 10,400). We expect the job declines in the coming decade to be spread out across most of the industry’s sub sectors.

Agriculture, Forestry, Fishing, and Hunting is perhaps the state’s most difficult industry to get a handle on. It is clearly one of the state’s smallest industries, but the exact number of workers is not easy to estimate. This is largely because the Quarterly Census of Employment and Wages (QCEW), which collects data on employers subject to Unemployment Insurance regu-

lations and which forms the basis of the employment estimates in this publication, does not cover most agricultural employment. There is no census of agricultural employment; data for this industry come primarily from the Current Population Survey (CPS). Due to the relatively small sample size of the CPS, estimates from this survey tend to vary widely. The current employment estimate shows 1.8 percent of Delaware’s total employment in Agriculture, Forestry, Fishing, and Hunting, projected to fall to 1.6 percent by 2012. Gross State Product (GSP) data from the US Bureau of Economic Analysis (BEA) shows that this industry contributed just 0.4 percent of Delaware’s total GSP in 2002, so if anything, our employment estimate is probably on the high side.

Projected Annual Rate of Growth by Industry Category 2002 – 2012

Industry Category





NAICS	Industry	2002	2012	2002 – 2012 Change	2002 – 2012 Annual Growth	1992 – 2002 Annual Growth	2002 – 2012 US Annual Growth
Total Employment, All Jobs		441,350	499,350	58,000	1.2%		1.4%
Total Self-Employed and Unpaid Family Workers, Primary Job		19,000	20,800	1,800	0.9%		0.2%
	Self-Employed Workers, Primary Job	18,500	20,400	1,900	1.0%		
	Unpaid Family Workers, Primary Job	500	400	-100	-2.2%		
11	Agriculture, Forestry, Fishing	7,900	7,900	0	0.0%		-1.6%
111	Crop Production	4,700	4,700	0	0.0%		
112	Animal Production	3,200	3,200	0	0.0%		
21	Mining	100	100	0	0.0%	0.8%	-1.3%
22	Utilities	2,200	2,000	-200	-0.9%	-3.1%	-0.6%
23	Construction	23,900	28,300	4,400	1.7%	2.5%	1.4%
236	Construction of buildings	5,600	6,400	800	1.3%	1.0%	
237	Heavy and civil engineering construction	3,500	3,800	300	0.8%	-0.8%	
238	Specialty trade contractors	14,800	18,100	3,300	2.0%	4.2%	
31 - 33	Manufacturing	37,200	32,800	-4,400	-1.3%	-1.8%	-0.1%
311	Food manufacturing	8,900	8,500	-400	-0.5%	-0.5%	0.5%
312	Beverage and tobacco product manufacturing	200	200	0	0.0%	-1.0%	-1.4%
313	Textile mills	900	700	-200	-2.5%	3.6%	-6.1%
314	Textile product mills	100	100	0	0.0%	-3.2%	-0.8%
315	Apparel manufacturing	700	300	-400	-8.1%	-4.7%	-11.0%
321	Wood product manufacturing	400	500	100	2.3%	4.3%	1.3%
322	Paper manufacturing	2,000	1,500	-500	-2.8%	-0.7%	-1.4%
323	Printing and related support activities	900	700	-200	-2.5%	-2.4%	0.3%
324	Petroleum and coal products manufacturing	900	800	-100	-1.2%	0.2%	-1.6%
325	Chemical manufacturing	4,700	4,200	-500	-1.1%	-7.6%	-0.4%
326	Plastics and rubber products manufacturing	1,800	1,500	-300	-1.8%	-4.4%	1.5%
327	Nonmetallic mineral product manufacturing	900	900	0	0.0%	1.1%	1.1%
331	Primary metal manufacturing	800	700	-100	-1.3%	0.1%	-0.3%



NAICS	Industry	2002	2012	2002 – 2012 Change	2002 – 2012 Annual Growth	1992 – 2002 Annual Growth	2002 – 2012 US Annual Growth
332	Fabricated metal product manufacturing	2,300	2,200	-100	-0.4%	0.6%	0.6%
333	Machinery manufacturing	700	700	0	0.0%	4.4%	0.9%
334	Computer and electronic product manufacturing	2,600	2,400	-200	-0.8%	10.9%	-1.3%
335	Electrical equipment and appliance mfg.	900	800	-100	-1.2%	-0.1%	-0.3%
336	Transportation equipment manufacturing	5,100	3,600	-1,500	-3.4%	-3.6%	-0.2%
337	Furniture and related product manufacturing	1,200	1,300	100	0.8%	6.0%	1.0%
339	Miscellaneous manufacturing	1,200	1,200	0	0.0%	-0.6%	0.3%
42	Wholesale trade	13,600	15,500	1,900	1.3%	2.2%	1.1%
423	Merchant wholesalers, durable goods	6,300	6,600	300	0.5%	0.6%	
424	Merchant wholesalers, nondurable goods	6,100	7,000	900	1.4%	3.5%	
425	Electronic markets and agents and brokers	1,200	1,900	700	4.7%	5.0%	
44 - 45	Retail Trade	51,200	58,100	6,900	1.3%	1.9%	1.3%
441	Motor vehicle and parts dealers	6,700	7,800	1,100	1.5%	3.3%	
442	Furniture and home furnishings stores	2,600	3,200	600	2.1%	5.0%	
443	Electronics and appliance stores	1,600	2,000	400	2.3%	3.7%	
444	Building material and garden supply stores	4,300	5,000	700	1.5%	3.3%	
445	Food and beverage stores	8,000	9,300	1,300	1.5%	1.4%	
446	Health and personal care stores	3,500	4,700	1,200	3.0%	3.5%	
447	Gasoline stations	2,700	2,900	200	0.7%	2.2%	
448	Clothing and clothing accessories stores	4,900	5,200	300	0.6%	2.6%	
451	Sporting goods, hobby, book and music stores	2,300	2,600	300	1.2%	3.4%	
452	General merchandise stores	9,700	9,600	-100	-0.1%	-0.9%	
453	Miscellaneous store retailers	3,500	4,000	500	1.3%	4.0%	
454	Nonstore retailers	1,400	1,800	400	2.5%	-2.0%	
48 - 49	Transportation and Warehousing	10,000	12,350	2,350	2.1%	1.4%	3.6%
481	Air transportation	100	100	0	0.0%	-1.6%	1.1%
482	Rail transportation	1,500	1,400	-100	-0.7%	0.0%	-1.0%
484	Truck transportation	2,900	3,300	400	1.3%	0.4%	
485	Transit and ground passenger transportation	1,700	1,900	200	1.1%	1.6%	2.4%
488	Support activities for transportation	1,400	1,500	100	0.7%	-0.1%	
491	Postal Service	2,400	2,300	-100	-0.4%	0.9%	-0.5%
492	Couriers and messengers	1,300	1,500	200	1.4%	9.8%	
493	Warehousing and storage	1,000	2,500	1,500	9.6%	3.3%	2.5%



NAICS	Industry	2002	2012	2002 – 2012 Change	2002 – 2012 Annual Growth	1992 – 2002 Annual Growth	2002 – 2012 US Annual Growth
51	Information	7,700	8,800	1,100	1.3%	6.6%	1.7%
511	Publishing industries, except Internet	1,500	1,700	200	1.3%	1.2%	1.6%
512	Motion picture and sound recording industries	400	400	0	0.0%	2.3%	2.7%
515	Broadcasting, except Internet	1,500	1,800	300	1.8%	8.6%	
517	Telecommunications	1,500	1,600	100	0.6%	1.6%	
518	ISPs, search portals, and data processing	2,600	3,000	400	1.4%	24.2%	
519	Other information services	200	200	0	0.0%	4.0%	
52	Finance and insurance (1)	39,800	42,900	3,100	0.8%	2.5%	
522	Credit intermediation and related activities	29,200	31,500	2,300	0.8%	1.7%	
5221	<i>Depository credit intermediation</i>	10,600	11,800	1,200	1.1%	3.6%	
5222	<i>Nondepository credit intermediation</i>	17,600	18,000	400	0.2%	-2.7%	
5223	<i>Activities related to credit intermediation</i>	1,000	1,700	700	5.5%	10.3%	
523	Securities, commodity contracts, investments	3,700	4,100	400	1.0%	9.6%	1.5%
524	Insurance carriers and related activities	6,600	7,000	400	0.6%	2.0%	0.7%
525	Funds, trusts, and other financial vehicles	300	300	0	0.0%	6.4%	
53	Real Estate and Rental and Leasing	6,000	6,900	900	1.4%	2.1%	
531	Real estate	4,100	4,700	600	1.4%	2.9%	1.2%
532	Rental and leasing services	1,900	2,200	300	1.5%	0.8%	2.7%
54	Professional and Technical Services	26,800	30,200	3,400	1.2%	1.8%	3.4%
55	Management of Companies and Enterprises (1)	11,400	16,000	4,600	3.4%	1.9%	1.1%
56	Administrative and Waste Services	23,300	28,600	5,300	2.1%	3.4%	3.2%
561	Administrative and support services	22,600	27,700	5,100	2.1%	3.7%	3.2%
562	Waste management and remediation services	700	900	200	2.5%	-2.0%	2.5%
61	Educational Services	32,700	36,200	3,500	1.0%	2.1%	2.6%

(1) Due to Industry Coding Redefinition, there is a break in the series after 2002.

The 2002 - 2012 projection uses the year 2003 as the base year.



NAICS	Industry	2002	2012	2002 – 2012 Change	2002 – 2012 Annual Growth	1992 – 2002 Annual Growth	2002 – 2012 US Annual Growth
62	Health Care and Social Assistance	43,700	53,000	9,300	1.9%	2.9%	2.8%
621	Health care and social assistance	13,700	18,200	4,500	2.9%	4.5%	3.5%
622	Hospitals	16,400	18,500	2,100	1.2%	1.9%	1.4%
623	Nursing and residential care facilities	6,200	7,300	1,100	1.6%	0.5%	3.0%
624	Social assistance	7,400	9,000	1,600	2.0%	3.8%	3.8%
71	Arts, Entertainment, and Recreation	8,100	10,700	2,600	2.8%	4.6%	2.5%
711	Performing arts and spectator sports	3,400	4,400	1,000	2.6%	6.7%	1.6%
712	Museums, historical sites, zoos, and parks	1,000	1,000	0	0.0%	1.3%	1.9%
713	Amusements, gambling, and recreation	3,700	5,300	1,600	3.7%	4.0%	2.8%
72	Accommodation and Food Services	29,400	34,300	4,900	1.6%	2.5%	1.5%
721	Accommodation	2,900	3,000	100	0.3%	1.2%	1.6%
722	Food services and drinking places	26,500	31,300	4,800	1.7%	2.6%	1.5%
81	Other Services, Except Public Administration	17,900	21,400	3,500	1.8%	3.9%	1.5%
811	Repair and maintenance	3,400	4,000	600	1.6%	1.5%	1.3%
812	Personal and laundry services	3,800	4,400	600	1.5%	1.8%	1.8%
813	Membership associations and organizations	10,000	12,400	2,400	2.2%	6.6%	1.9%
814	Private Households	700	600	-100	-1.5%	-1.3%	-0.7%
91	Government	29,400	32,500	3,100	1.0%	1.8%	0.0%
910	Federal Government	5,500	5,500	0	0.0%	-0.8%	
919	Federal Government, Excluding Postal Service	3,100	3,200	100	0.3%	-1.8%	
920	State Government, Excl. Education and Hospitals	17,100	19,000	1,900	1.1%	2.9%	
930	Local government, Excl. Education and Hospitals	6,800	8,000	1,200	1.6%	1.5%	



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