

Job Outlook to 2010

Hamilton-Middletown PMSA

Butler County



Bob Taft, Governor
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Job Outlook: Hamilton-Middletown PMSA

These projections for the Hamilton-Middletown Primary Metropolitan Statistical Area (Butler County) workforce from 2000 to 2010 provide information on where future job growth is expected by industry and occupation. This report updates the projections that were previously done for 1998 to 2008. These projections are widely used for studying long-range economic and employment trends, planning education and training programs, and developing career information. They supplement the statewide projection report, *Ohio Job Outlook to 2010* (released in December 2002), and the economic development region projection report (released in February 2003).

The table below summarizes 2000 employment and projected 2010 levels for each of the metropolitan areas. The difference between the two levels represents new jobs expected from growth. Most job openings, however, result from the need to replace employees who leave the labor force, usually upon retirement, or transfer to another occupation.

Projected Job Growth By Metropolitan Area, 2000-2010

Metropolitan Area	Employment 2000	Projected Employment 2010	Growth 2000-2010	
			Number	Percent
Akron	342,300	379,760	37,460	10.9%
Canton-Massillon	198,210	216,700	18,490	9.3%
Cincinnati	940,220	1,074,550	134,330	14.3%
Cleveland-Lorain-Elyria	1,228,510	1,358,350	129,840	10.6%
Columbus	908,880	1,057,980	149,100	16.4%
Dayton-Springfield	498,520	541,570	43,050	8.6%
Hamilton-Middletown	138,240	160,340	22,100	16.0%
Lima	85,990	94,280	8,290	9.6%
Mansfield	87,240	92,940	5,700	6.5%
Toledo	340,620	369,100	28,480	8.4%
Youngstown-Warren	261,560	276,610	15,050	5.8%
Ohio	5,997,900	6,659,900	662,000	11.0%

Like the state and the nation, economic conditions in Butler County improved throughout the decade of the 1990s with the unemployment rate falling to 2.9 percent in 2000, before rising to 4.4 percent in 2002 due to lingering effects of the 2001 recession. When the effects of the recession end, the Hamilton-Middletown economy is expected to resume its high growth rate, second behind the Columbus metropolitan area.

Industry Employment

Over the 2000-2010 period, the Hamilton-Middletown PMSA economy is projected to create 22,100 new jobs. The number of jobs is anticipated to rise from 138,240 in 2000 to 160,340 by 2010. Service-producing industries will account for virtually all of the job growth. Construction is expected to add the greatest number of jobs in the goods-producing sector.

The services sector, led by business and health services, will account for almost forty percent of all job growth. Large numbers of jobs are also projected in trade and local government, primarily in education. Manufacturing employment is projected to decline.

Occupational Employment

Service and professional occupations are the two largest occupational categories. They are also the two occupational groups that are projected to grow at the fastest rate. Professional and related occupations are expected to grow by 5,880 jobs, while service occupations are expected to add 4,840 jobs over the 2000-2010 period. These two groups--on opposite ends of the educational attainment and earnings spectrum--are expected to provide almost half of the total job growth.

Right behind professional and related occupations in terms of growth is construction and extraction occupations, which is projected to grow 17.8 percent. Because of relatively lower employment in this sector, only 1,480 new jobs will be added. Other major groups expected to grow slightly faster than average are transportation and material moving occupations; management, business and financial occupations; and sales occupations. Office and administrative support jobs are projected to grow slower than the average, reflecting the continuing impact of office automation. Production occupations and installation, maintenance and repair occupations are projected to grow slower than average due to continuing advances in technology, changes in production methods, and an overall decline in manufacturing employment.

Forty percent of the 5,500 annual job openings in the Hamilton-Middletown PMSA are expected to be generated by employment growth. The remaining sixty percent will result from the need to replace existing workers who will leave the labor force, usually upon retirement. Therefore, even declining occupations provide opportunities for employment, although job prospects are generally not as favorable as in growing occupations. There are also additional job openings, not estimated, resulting from turnover when an individual stays in the same occupation, but switches employers.

Technical Notes

Projections of employment demand were made at the 2-digit industry level, based on Standard Industrial Classification, using shift-share techniques that related Ohio's metropolitan area industry employment to statewide industry employment over the past decade. State and local area projections are also partially dependent on the outlook for specific industries nationally. Because future trends are always subject to uncertainty, the job outlook will continue to be produced every other year.

Occupational estimates and projections were derived by creating an industry-occupation matrix with occupational data supplied by Ohio employers from the Occupational Employment Statistics (OES) surveys for 1999, 2000 and 2001 under the Standard Occupational Classification (SOC) coding structure. This numeric classification uses a 6-digit structure. The titles and content of major occupational groups and many detailed occupations are substantially different than those used in the 1998-2008 projections. For example, farmers and farm managers, formerly in agriculture, forestry and fishing occupations are now classified in management, business and financial occupations.

Some occupations are new and others have been split into more detailed categories. Because of these changes, occupations and occupational groups are not comparable to those in earlier analyses.

The source of the wage data is the 2001 OES estimates for Ohio. The wages were aged to 2002 using the Employment Cost Index (ECI).

Ohio industry staffing patterns were adjusted for expected technological change and other factors from national data provided by the Bureau of Labor Statistics (BLS). Net annual replacement needs were computed from national rates also supplied by the Bureau of Labor Statistics and published in Occupational Projections and Training Data, U.S. Department of Labor, Bureau of Labor Statistics, January 2002. Although these rates have been found to provide reliable estimates of Ohio net replacement needs for specific occupations, there are many additional openings resulting from turnover. Inclusion of education and training level is made possible by the classification of the SOC occupations into eleven distinct categories by the staff at the Office of Occupational Statistics and Employment Projections at BLS.

Additional Information

More information on Ohio's 2000-2010 projections is available through the industry and occupational reports that are available through the Bureau of Labor Market Information of the Ohio Department of Job and Family Services (ODJFS) Internet site at <http://lmi.state.oh.us/> or in printed form by contacting Sandy Newman, Projections Coordinator of the Bureau of Labor Market Information at (614) 466-0291 or writing to ODJFS, ORAA-Bureau of Labor Market Information, P.O. Box 1618, Columbus, Ohio 43216-1618.

October 2003

**Hamilton-Middletown PMSA
Industry Employment Projections Report, 2000-2010
Division Totals**

Industry Division	2000 Annual Employment	2010 Projected Employment	Change in Employment 2000-2010	Percent Change 2000-2010
Total Employment	138,240	160,340	22,100	16.0%
Goods Producing Industries	32,820	34,110	1,290	3.9%
Agriculture, Forestry and Fishing	2,410	2,480	70	2.9%
Construction and Mining	7,940	9,610	1,670	21.0%
Manufacturing	22,470	22,020	-450	-2.0%
Durable Goods Manufacturing	15,910	15,970	60	0.4%
Nondurable Goods Manufacturing	6,560	6,050	-510	-7.8%
Service Producing Industries	95,680	116,260	20,580	21.5%
Transportation, Communications & Utilities	5,300	5,970	670	12.6%
Trade	34,500	41,240	6,740	19.5%
Wholesale Trade	10,160	12,790	2,630	25.9%
Retail Trade	24,340	28,440	4,100	16.8%
Finance, Insurance & Real Estate	7,630	9,770	2,140	28.0%
Services	29,950	38,430	8,480	28.3%
Government	18,300	20,850	2,550	13.9%
Private Households	420	310	-110	-26.2%
Nonfarm Self-Emp. & Unpaid Family Workers	9,320	9,670	350	3.8%

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, August 2003.

Hamilton-Middletown PMSA
Industry Employment Projections Report, 2000-2010
(Industries with 500 or More Employees)

SIC Code	Industry Title	2000 Annual Employment	2010 Projected Employment	Change in Employment 2000-2010	Percent Change 2000-2010
	Total Employment	138,240	160,340	22,100	16.0%
	Agriculture, Forestry and Fishing	2,410	2,480	70	2.9%
01, 02	Agricultural Production	1,720	1,500	-220	-12.8%
07	Agricultural Services	690	970	280	40.6%
	Construction and Mining	7,940	9,610	1,670	21.0%
15	General Building Contractors	1,390	1,590	200	14.4%
16	General Contractors, Exc. Bldg	890	1,190	300	33.7%
17	Special Trade Contractors	5,500	6,690	1,190	21.6%
	Manufacturing	22,470	22,020	-450	-2.0%
	Durable Goods Manufacturing	15,910	15,970	60	0.4%
	Nondurable Goods Manufacturing	6,560	6,050	-510	-7.8%
25	Furniture and Fixtures	690	760	70	10.1%
26	Paper and Allied Products	3,470	2,620	-850	-24.5%
27	Printing and Publishing	950	910	-40	-4.2%
28	Chemicals and Allied Products	600	870	270	45.0%
30	Rubber and Misc. Plastics Products	1,190	1,320	130	10.9%
32	Stone, Clay and Glass Products	580	770	190	32.8%
34	Fabricated Metal Products	2,950	3,000	50	1.7%
35	Industrial Machinery and Equipment	2,540	2,380	-160	-6.3%
36	Electronic and Other Electrical Equipment	1,130	1,050	-80	-7.1%
37	Transportation Equipment	1,430	1,440	10	0.7%
39	Miscellaneous Manufacturing Industries	820	920	100	12.2%
	Transportation, Communications & Utilities	5,300	5,970	670	12.6%
41	Local and Interurban Transit	590	760	170	28.8%
42	Trucking and Warehousing	2,890	3,020	130	4.5%
48	Communications	530	720	190	35.8%
49	Utilities and Sanitary Services	680	920	240	35.3%
	Trade	34,500	41,240	6,740	19.5%
	Wholesale Trade	10,160	12,790	2,630	25.9%
50	Wholesale Trade, Durable Goods	6,360	7,870	1,510	23.7%
51	Wholesale Trade, Nondurable Goods	3,800	4,930	1,130	29.7%
	Retail Trade	24,340	28,440	4,100	16.8%
52	Bldg. Materials and Garden Supplies	1,030	1,390	360	35.0%
53	General Merchandise Stores	1,760	1,450	-310	-17.6%
54	Food Stores	4,700	4,960	260	5.5%
55	Auto Dealers and Service Stations	1,900	2,040	140	7.4%
57	Furniture and Home Furnishings Stores	1,150	1,040	-110	-9.6%
58	Eating and Drinking Places	9,790	12,310	2,520	25.7%
59	Miscellaneous Retail Stores	3,840	5,130	1,290	33.6%

Hamilton-Middletown PMSA
Industry Employment Projections Report, 2000-2010
(Industries with 500 or More Employees)

SIC Code	Industry Title	2000 Annual Employment	2010 Projected Employment	Change in Employment 2000-2010	Percent Change 2000-2010
	Finance, Insurance & Real Estate	7,630	9,770	2,140	28.0%
60	Depository Institutions	2,100	2,530	430	20.5%
65	Real Estate	970	1,180	210	21.6%
	Services	29,950	38,430	8,480	28.3%
72	Personal Services	890	950	60	6.7%
73	Business Services	8,370	11,790	3,420	40.9%
75	Auto Repair Services and Parking	1,060	1,280	220	20.8%
79	Amusement and Recreation Services	1,060	1,310	250	23.6%
80	Private Health Services	10,890	13,090	2,200	20.2%
82	Private Educational Services	510	610	100	19.6%
83	Social Services	1,530	2,130	600	39.2%
86	Membership Organizations	2,490	3,410	920	36.9%
87	Engineering and Management Services	1,720	2,240	520	30.2%
	Government	18,300	20,850	2,550	13.9%
91	Federal Government	670	700	30	4.5%
43	U.S. Postal Service	510	510	0	0.0%
92	State Government	5,070	5,340	270	5.3%
82	State Government Education	4,770	5,030	260	5.5%
93	Local Government	12,570	14,810	2,240	17.8%
82	Local Government Education	7,700	9,410	1,710	22.2%
939	Local Government, except Educ. & Hospitals	4,840	5,380	540	11.2%
	Private Households	420	310	-110	-26.2%
	Nonfarm Self-Empl. & Unpaid Family Workers	9,320	9,670	350	3.8%

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, August 2003.

**Hamilton-Middletown PMSA
Occupational Employment Projections by Major Occupational Group**

Occupational Group	Employment		Change in Employment		Total Annual Openings
	2000 Annual	2010 Projected	2000-2010	Percent Change	
Total, All Occupations	138,240	160,340	22,100	16.0%	5,538
Management, Business and Financial Occupations	13,770	15,990	2,220	16.1%	458
Professional and Related Occupations	23,300	29,180	5,880	25.2%	1,040
Service Occupations	23,490	28,330	4,840	20.6%	1,285
Sales and Related Occupations	12,540	14,560	2,020	16.1%	590
Office and Administrative Support Occupations	20,120	22,440	2,320	11.5%	666
Farming, Fishing, and Forestry Occupations	510	540	30	5.9%	12
Construction and Extraction Occupations	8,330	9,810	1,480	17.8%	296
Installation, Maintenance, and Repair Occupations	6,320	6,790	470	7.4%	193
Production Occupations	14,730	15,120	390	2.6%	377
Transportation and Material Moving Occupations	15,150	17,600	2,450	16.2%	621

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, August 2003.

Hamilton-Middletown PMSA Fastest Growing Occupations

Occupation Title	Employment		Average
	Growth Rate 2000-2010	Annual Openings	Wage 2002
Computer Software Engineers, Applications	112.1%	39	\$37.16
Computer Support Specialists	87.5%	29	\$21.76
Database Administrators	86.7%	14	\$28.21*
Network and Computer Systems Administrators	81.0%	18	\$27.80
Computer Software Engineers, Systems Software	66.7%	9	\$28.59
Personal and Home Care Aides	60.0%	8	\$8.59*
Social and Human Service Assistants	55.6%	13	\$9.57
Computer Systems Analysts	53.8%	16	\$25.48
Medical Assistants	51.2%	32	\$10.85
Pharmacy Technicians	50.0%	17	\$9.73
Medical Records and Health Information Technicians	50.0%	7	\$10.59
Home Health Aides	48.6%	46	\$10.28
Computer and Information Systems Managers	47.6%	14	\$36.70
Public Relations Specialists	46.2%	8	\$21.23
Claims Adjusters, Examiners, and Investigators	45.5%	19	\$20.10*
Securities, Commodities, and Financial Services Sales Agents	45.5%	6	\$28.95
Special Ed. Teachers, Preschool/Kindergarten/Elementary School	44.4%	10	\$43,086**
Management Analysts	43.5%	12	\$33.39
Hotel, Motel, and Resort Desk Clerks	42.9%	12	\$7.70
Veterinary Assistants and Laboratory Animal Caretakers	38.5%	8	\$10.97
Combined Food Preparation & Serving Workers, Inc. Fast Food	36.2%	353	\$7.19
Fitness Trainers and Aerobics Instructors	35.7%	8	\$10.98
Pharmacists	34.8%	15	\$33.84
Paralegals and Legal Assistants	33.3%	5	\$13.75
Dental Assistants	33.3%	9	\$13.85
Landscaping and Groundskeeping Workers	30.8%	44	\$10.84
Interviewers, Except Eligibility and Loan	30.8%	7	\$10.83
Medical and Health Services Managers	30.0%	9	\$33.31
Market Research Analysts	30.0%	11	\$30.34
Child, Family, and School Social Workers	29.4%	7	\$13.02

* Statewide Salary

** Average Annual Salary

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, August 2003.

Hamilton-Middletown PMSA Occupations with the Most Annual Job Openings

Occupation Title	Annual Openings 2000-2010	Average Wage 2002
Combined Food Preparation & Serving Workers, Inc. Fast Food	353	\$7.19
Laborers and Freight, Stock, and Material Movers, Hand	301	\$10.82
Cashiers	180	\$7.73
Waiters and Waitresses	168	\$6.61
Retail Salespersons	135	\$10.16
Office Clerks, General	102	\$10.69
Sales Rep., Wholesale/Mfg., Exc. Technical/Scientific Products	95	\$25.31
Registered Nurses	79	\$20.94
General and Operations Managers	74	\$34.04
Truck Drivers, Heavy and Tractor-Trailer	74	\$15.60
Stock Clerks and Order Fillers	69	\$10.07
Customer Service Representatives	60	\$12.38
Cooks, Restaurant	58	\$9.37
Janitors & Cleaners, Except Maids & Housekeeping Cleaners	56	\$10.92
Secondary School Teachers, Exc. Special & Voc. Education	55	\$43,350*
Carpenters	53	\$17.22
Elementary School Teachers, Except Special Education	52	\$44,456*
Bookkeeping, Accounting, and Auditing Clerks	50	\$13.96
Construction Laborers	49	\$16.39
Packers and Packagers, Hand	47	\$8.65
Home Health Aides	46	\$10.28
Landscaping and Groundskeeping Workers	44	\$10.84
First-Line Supervisors/Managers of Retail Sales Workers	43	\$14.79
Child Care Workers	41	\$8.40
Food Preparation Workers	40	\$8.72
Computer Programmers	39	\$32.16
Computer Software Engineers, Applications	39	\$37.16
Secretaries, Except Legal, Medical, and Executive	38	\$12.26
Receptionists and Information Clerks	37	\$10.27
Executive Secretaries and Administrative Assistants	37	\$14.85

* Average Annual Salary

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, August 2003.

**Hamilton-Middletown PMSA
Occupational* Employment Projections Report, 2000-2010**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage 2002	Education Training Level+
		2000 Annual	2010 Projected	2000-2010	Percent Change			
00-0000	Total, All Occupations	138,240	160,340	22,100	16.0%	5,538	NA	NA
11-0000	Management Occupations	8,890	9,840	950	10.7%	237	NA	NA
11-1011	Chief Executives	710	820	110	15.5%	34	\$50.46	4
11-1021	General and Operations Managers	2,290	2,640	350	15.3%	74	\$34.04	4
11-2022	Sales Managers	310	360	50	16.1%	9	\$33.83	4
11-3011	Administrative Services Managers	170	210	40	23.5%	7	\$22.66	4
11-3021	Computer and Information Systems Managers	210	310	100	47.6%	14	\$36.70	4
11-3031	Financial Managers	490	590	100	20.4%	18	\$33.63	4
11-3040	Human Resources Managers	140	160	20	14.3%	5	\$29.66	4
11-3051	Industrial Production Managers	300	310	10	3.3%	6	\$33.25	5
11-3061	Purchasing Managers	110	110	0	0.0%	4	\$25.81	4
11-3071	Transportation, Storage, & Distribution Managers	130	150	20	15.4%	4	\$28.13	8
11-9012	Farmers and Ranchers	1,610	1,400	-210	-13.0%	9	NA	9
11-9021	Construction Managers	230	270	40	17.4%	8	\$34.60	5
11-9032	Education Admin., Elem. & Secondary School	240	280	40	16.7%	10	\$78,535++	4
11-9041	Engineering Managers	150	140	-10	-6.7%	2	\$37.76	4
11-9051	Food Service Managers	440	510	70	15.9%	12	\$16.67	8
11-9111	Medical and Health Services Managers	200	260	60	30.0%	9	\$33.31	4
11-9141	Property, Real Estate, & Community Assn Mgrs	130	150	20	15.4%	4	\$18.37	5
11-9199	Managers, All Other	580	640	60	10.3%	16	NA	8
13-0000	Business and Financial Operations Occupations	4,880	6,150	1,270	26.0%	221	NA	NA
13-1022	Wholesale & Retail Buyers, Ex. Farm Products	200	200	0	0.0%	6	\$17.23	5
13-1023	Purchasing Agents, Ex. Whole., Retail, & Farm	240	260	20	8.3%	7	\$21.87	5
13-1031	Claims Adjusters, Examiners, and Investigators	330	480	150	45.5%	19	NA	9
13-1051	Cost Estimators	290	340	50	17.2%	11	\$23.64	5
13-1071	Empl., Recruitment, & Placement Specialists	160	200	40	25.0%	7	\$21.04	5
13-1073	Training and Development Specialists	170	210	40	23.5%	7	\$19.48	5
13-1111	Management Analysts	230	330	100	43.5%	12	\$33.39	4
13-1199	Business Operations Specialists, All Other	1,030	1,280	250	24.3%	51	NA	5
13-2011	Accountants and Auditors	720	850	130	18.1%	24	\$23.04	5
13-2021	Appraisers and Assessors of Real Estate	120	150	30	25.0%	6	NA	7
13-2072	Loan Officers	210	270	60	28.6%	10	\$22.01	5
13-2099	Financial Specialists, All Other	120	160	40	33.3%	6	NA	5
15-0000	Computer and Mathematical Occupations	2,610	4,130	1,520	58.2%	183	NA	NA
15-1021	Computer Programmers	960	1,150	190	19.8%	39	\$32.16	5
15-1031	Computer Software Engineers, Applications	330	700	370	112.1%	39	\$37.16	5
15-1032	Comp. Software Engineers, Systems Software	120	200	80	66.7%	9	\$28.59	5
15-1041	Computer Support Specialists	320	600	280	87.5%	29	\$21.76	6
15-1051	Computer Systems Analysts	260	400	140	53.8%	16	\$25.48	5
15-1061	Database Administrators	150	280	130	86.7%	14	NA	5
15-1071	Network and Computer Systems Administrators	210	380	170	81.0%	18	\$27.80	5
15-1099	Computer Specialists, All Other	170	300	130	76.5%	15	NA	7
17-0000	Architecture and Engineering Occupations	1,980	2,140	160	8.1%	59	NA	NA
17-2051	Civil Engineers	180	200	20	11.1%	5	\$23.52	5
17-2071	Electrical Engineers	130	120	-10	-7.7%	2	\$29.83	5
17-2072	Electronics Engineers, Except Computer	140	170	30	21.4%	6	\$33.87	5
17-2112	Industrial Engineers	130	120	-10	-7.7%	2	\$29.00	5
17-2141	Mechanical Engineers	290	300	10	3.4%	9	\$26.73	5
17-2199	Engineers, All Other	120	110	-10	-8.3%	2	NA	5
17-3013	Mechanical Drafters	160	180	20	12.5%	7	\$24.62	7
17-3023	Electrical & Electronic Engineering Technicians	190	210	20	10.5%	6	\$18.38	6
19-0000	Life, Physical, and Social Science Occupations	630	800	170	27.0%	34	NA	NA
19-3021	Market Research Analysts	200	260	60	30.0%	11	\$30.34	5

*Occupations with 100 or more workers.

**See last page for abbreviations.

+See last page for Education and Training Level.

++Average Annual Salary

**Hamilton-Middletown PMSA
Occupational* Employment Projections Report, 2000-2010**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage 2002	Education Training Level+
		2000 Annual	2010 Projected	2000-2010	Percent Change			
19-3031	Clinical, Counseling, and School Psychologists	160	180	20	12.5%	6	\$31.48	2
21-0000	Community and Social Services Occupations	1,610	2,210	600	37.3%	91	NA	NA
21-1012	Educational, Vocational, & School Counselors	140	180	40	28.6%	7	\$22.36	3
21-1021	Child, Family, and School Social Workers	170	220	50	29.4%	7	\$13.02	5
21-1093	Social and Human Service Assistants	180	280	100	55.6%	13	\$9.57	10
21-2011	Clergy	520	630	110	21.2%	25	NA	3
21-2021	Directors, Religious Activities and Education	130	160	30	23.1%	5	NA	5
23-0000	Legal Occupations	490	580	90	18.4%	14	NA	NA
23-1011	Lawyers	180	220	40	22.2%	5	\$40.05	1
23-2011	Paralegals and Legal Assistants	120	160	40	33.3%	5	\$13.75	6
25-0000	Education, Training, and Library Occupations	8,590	10,360	1,770	20.6%	352	NA	NA
25-1194	Vocational Education Teachers, Postsecondary	190	240	50	26.3%	10	\$16.77	8
25-1199	Postsecondary Teachers, All Other	820	1,040	220	26.8%	45	NA	2
25-2011	Preschool Teachers, Except Special Education	350	430	80	22.9%	12	\$9.27	5
25-2012	Kindergarten Teachers, Ex. Special Education	160	180	20	12.5%	4	\$43,797++	5
25-2021	Elementary School Teachers, Ex. Special Ed.	1,440	1,670	230	16.0%	56	\$44,456++	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed.	620	700	80	12.9%	23	\$44,609++	5
25-2031	Secondary Sch. Teachers, Ex. Spec. & Voc. Ed.	960	1,160	200	20.8%	49	\$43,350++	5
25-2041	Special Ed. Teachers, Pre./Kinder./Elem. Sch.	180	260	80	44.4%	10	\$43,086++	5
25-2042	Special Education Teachers, Middle School	110	140	30	27.3%	4	\$44,974++	5
25-2043	Special Education Teachers, Secondary School	150	190	40	26.7%	6	\$45,573++	5
25-3999	Teachers, Prim., Secondary, & Adult, All Other	1,920	2,300	380	19.8%	57	NA	5
25-4021	Librarians	120	130	10	8.3%	4	\$24.12	3
25-9041	Teacher Assistants	680	850	170	25.0%	31	\$20,916++	11
27-0000	Arts, Design, Entertainment, Sports, & Media Occ.	1,550	1,820	270	17.4%	56	NA	NA
27-2022	Coaches and Scouts	120	140	20	16.7%	4	\$36,064++	9
27-2042	Musicians and Singers	120	150	30	25.0%	5	NA	9
27-3031	Public Relations Specialists	130	190	60	46.2%	8	\$21.23	5
27-4021	Photographers	110	110	0	0.0%	2	\$10.88	9
29-0000	Healthcare Practitioners and Technical Occupations	5,840	7,140	1,300	22.3%	251	NA	NA
29-1020	Dentists	180	190	10	5.6%	5	\$68.53	1
29-1051	Pharmacists	230	310	80	34.8%	15	\$33.84	1
29-1062	Family and General Practitioners	270	320	50	18.5%	9	\$62.45	1
29-1069	Physicians and Surgeons, All Other	140	170	30	21.4%	5	NA	1
29-1111	Registered Nurses	1,970	2,360	390	19.8%	79	\$20.94	6
29-1123	Physical Therapists	110	140	30	27.3%	6	\$29.84	3
29-2011	Medical and Clinical Laboratory Technologists	100	120	20	20.0%	5	\$19.34	5
29-2012	Medical and Clinical Laboratory Technicians	100	120	20	20.0%	4	\$14.16	6
29-2021	Dental Hygienists	210	270	60	28.6%	9	\$27.33	6
29-2034	Radiologic Technologists and Technicians	120	150	30	25.0%	6	\$17.83	6
29-2041	Emergency Medical Technicians & Paramedics	130	160	30	23.1%	6	\$15.10	7
29-2052	Pharmacy Technicians	220	330	110	50.0%	17	\$9.73	10
29-2061	Licensed Practical & Licensed Vocat. Nurses	690	800	110	15.9%	29	\$15.36	7
29-2071	Medical Records & Health Info. Technicians	100	150	50	50.0%	7	\$10.59	6
29-9099	Healthcare Practitioners & Tech. Workers, AO	180	210	30	16.7%	3	NA	6
31-0000	Healthcare Support Occupations	3,130	4,090	960	30.7%	149	NA	NA
31-1011	Home Health Aides	740	1,100	360	48.6%	46	\$10.28	11
31-1012	Nursing Aides, Orderlies, and Attendants	1,310	1,500	190	14.5%	36	\$9.83	11
31-9091	Dental Assistants	180	240	60	33.3%	9	\$13.85	10
31-9092	Medical Assistants	410	620	210	51.2%	32	\$10.85	10
31-9096	Vet. Assistants & Laboratory Animal Caretakers	130	180	50	38.5%	8	\$10.97	11
33-0000	Protective Service Occupations	1,930	2,240	310	16.1%	84	NA	NA
33-2011	Fire Fighters	450	500	50	11.1%	17	\$12.90	9

*Occupations with 100 or more workers.

**See last page for abbreviations.

+See last page for Education and Training Level.

++Average Annual Salary

**Hamilton-Middletown PMSA
Occupational* Employment Projections Report, 2000-2010**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage 2002	Education Training Level+
		2000 Annual	2010 Projected	2000-2010	Percent Change			
33-3012	Correctional Officers and Jailers	160	180	20	12.5%	6	NA	10
33-3051	Police and Sheriff's Patrol Officers	500	630	130	26.0%	24	\$20.07	9
33-9032	Security Guards	320	390	70	21.9%	16	\$12.07	11
35-0000	Food Preparation and Serving Related Occupations	11,290	13,780	2,490	22.1%	774	NA	NA
35-1012	FL Sup/Mgrs of Food Prep. & Serving Workers	740	840	100	13.5%	29	\$11.76	8
35-2011	Cooks, Fast Food	630	640	10	1.6%	19	\$7.15	11
35-2012	Cooks, Institution and Cafeteria	560	570	10	1.8%	17	\$10.00	9
35-2014	Cooks, Restaurant	1,010	1,300	290	28.7%	58	\$9.37	9
35-2015	Cooks, Short Order	230	240	10	4.3%	8	\$7.00	11
35-2021	Food Preparation Workers	710	840	130	18.3%	40	\$8.72	11
35-3011	Bartenders	250	300	50	20.0%	15	\$7.74	11
35-3021	Comb. Food Prep. & Serv. Work, Inc. Fast Food	3,620	4,930	1,310	36.2%	353	\$7.19	11
35-3022	Counter Attend., Café/Food Concess/Coffee Sh.	250	280	30	12.0%	22	\$6.97	11
35-3031	Waiters and Waitresses	2,060	2,580	520	25.2%	168	\$6.61	11
35-3041	Food Servers, Nonrestaurant	110	120	10	9.1%	6	\$7.11	11
35-9011	Dining Room & Cafeteria Attend. & Bar Helpers	250	240	-10	-4.0%	8	\$7.37	11
35-9021	Dishwashers	380	350	-30	-7.9%	14	\$7.30	11
35-9031	Hosts & Hostesses, Rest./Lounge/Coffee Shop	280	330	50	17.9%	13	\$7.44	11
35-9099	Food Prep. & Serving Related Workers, AO	150	140	-10	-6.7%	6	NA	11
37-0000	Building & Grounds Cleaning & Maintenance Occup.	3,910	4,470	560	14.3%	137	NA	NA
37-1011	FL Sup/Mgrs of Housekping & Janitorial Workers	120	130	10	8.3%	4	\$15.41	8
37-1012	FL Sup/Mgrs of Lndscap./Lawn Ser/Groundskp	130	140	10	7.7%	2	\$15.85	8
37-2011	Janitors & Cleaners, Ex. Maids/Hsekpng Clean.	1,850	2,080	230	12.4%	56	\$10.92	11
37-2012	Maids and Housekeeping Cleaners	560	650	90	16.1%	21	\$8.54	11
37-3011	Landscaping and Groundskeeping Workers	780	1,020	240	30.8%	44	\$10.84	11
37-9099	Building & Grounds Cleaning & Maint. Work., AO	210	240	30	14.3%	7	NA	11
39-0000	Personal Care and Service Occupations	3,230	3,750	520	16.1%	141	NA	NA
39-5012	Hairdressers, Hairstylists, and Cosmetologists	660	690	30	4.5%	19	\$8.20	7
39-5092	Manicurists and Pedicurists	110	130	20	18.2%	5	\$8.38	7
39-9011	Child Care Workers	940	1,080	140	14.9%	41	\$8.40	11
39-9021	Personal and Home Care Aides	100	160	60	60.0%	8	NA	11
39-9031	Fitness Trainers and Aerobics Instructors	140	190	50	35.7%	8	\$10.98	7
39-9032	Recreation Workers	310	370	60	19.4%	12	\$10.03	5
39-9099	Personal Care and Service Workers, All Other	420	470	50	11.9%	18	NA	10
41-0000	Sales and Related Occupations	12,540	14,560	2,020	16.1%	590	NA	NA
41-1011	First-Line Superv./Mgrs of Retail Sales Workers	1,800	1,970	90	9.4%	43	\$14.79	8
41-1012	First-Line Sup./Mgrs of Non-Retail Sales Workers	410	470	60	14.6%	12	\$33.95	8
41-2011	Cashiers	3,030	3,450	420	13.9%	180	\$7.73	11
41-2021	Counter and Rental Clerks	360	410	50	13.9%	21	\$8.90	11
41-2022	Parts Salespersons	150	160	10	6.7%	6	\$13.36	10
41-2031	Retail Salespersons	2,380	2,820	440	18.5%	135	\$10.16	11
41-3011	Advertising Sales Agents	110	140	30	27.3%	5	\$21.60	10
41-3021	Insurance Sales Agents	160	190	30	18.8%	7	\$30.29	5
41-3031	Securities/Commodities/Fin. Serv. Sales Agents	110	160	50	45.5%	6	\$28.95	5
41-4011	Sales Rep., Wholesale & Mfg, Tech./Sci. Prod.	170	200	30	17.6%	8	\$27.63	10
41-4012	Sales Rep., Wholesale/Mfg, Ex. Tech./Sci. Prod.	2,080	2,470	390	18.8%	95	\$25.31	10
41-9022	Real Estate Sales Agents	110	120	10	9.1%	3	\$26.99	7
41-9041	Telemarketers	500	640	140	28.0%	24	\$9.59	11
41-9091	Door-To-Door Sales, News/St. Vendors, & Rel.	120	120	0	0.0%	3	\$14.92	11
41-9099	Sales and Related Workers, All Other	830	980	150	18.1%	33	NA	10
43-0000	Office and Administrative Support Occupations	20,120	22,440	2,320	11.5%	666	NA	NA
43-1011	First-Line Sup/Mgrs of Office & Admin. Support	900	1,030	130	14.4%	30	\$18.60	8
43-2011	Switchboard Operators, Inc. Answering Service	220	190	-30	-13.6%	6	\$10.80	11

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Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage 2002	Education Training Level+
		2000 Annual	2010 Projected	2000-2010	Percent Change			
43-3011	Bill and Account Collectors	230	290	60	26.1%	12	\$13.27	11
43-3021	Billing & Posting Clerks & Machine Operators	470	520	50	10.6%	16	\$12.28	11
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,710	1,880	170	9.9%	50	\$13.96	10
43-3051	Payroll and Timekeeping Clerks	160	170	10	6.3%	6	\$14.14	11
43-3071	Tellers	550	590	40	7.3%	31	\$8.77	11
43-4051	Customer Service Representatives	1,590	2,050	10	28.9%	60	\$12.38	10
43-4071	File Clerks	230	260	30	13.0%	10	NA	11
43-4081	Hotel, Motel, and Resort Desk Clerks	140	200	20	42.9%	12	\$7.70	11
43-4111	Interviewers, Except Eligibility and Loan	130	170	40	30.8%	7	\$10.83	11
43-4121	Library Assistants, Clerical	110	130	20	18.2%	7	\$9.10	11
43-4151	Order Clerks	850	890	40	4.7%	22	\$11.32	11
43-4161	Human Resources Assis., Ex. Payroll & Timekp	110	130	20	18.2%	4	\$15.50	11
43-4171	Receptionists and Information Clerks	800	990	190	23.8%	37	\$10.27	11
43-5021	Couriers and Messengers	110	120	10	9.1%	4	\$6.76	11
43-5031	Police, Fire, and Ambulance Dispatchers	100	110	10	10.0%	3	\$15.61	10
43-5032	Dispatchers, Except Police, Fire, & Ambulance	150	170	20	13.3%	5	\$17.63	10
43-5052	Postal Service Mail Carriers	340	340	0	0.0%	10	NA	11
43-5061	Production, Planning, and Expediting Clerks	320	370	50	15.6%	11	\$17.33	11
43-5071	Shipping, Receiving, and Traffic Clerks	810	900	90	11.1%	25	\$12.19	11
43-5081	Stock Clerks and Order Fillers	1,930	1,910	-20	-1.0%	69	\$10.07	11
43-6011	Executive Secretaries & Admin. Assistants	1,040	1,230	190	18.3%	37	\$14.85	10
43-6013	Medical Secretaries	400	460	60	15.0%	13	\$11.72	7
43-6014	Secretaries, Ex. Legal, Medical, & Executive	1,810	1,880	70	3.9%	38	\$12.26	10
43-9011	Computer Operators	220	210	-10	-4.5%	4	\$14.95	10
43-9021	Data Entry Keyers	210	220	10	4.8%	4	\$11.09	10
43-9022	Word Processors and Typists	120	100	-20	-16.7%	2	\$14.52	10
43-9041	Insurance Claims and Policy Processing Clerks	540	510	-30	-5.6%	9	NA	10
43-9051	Mail Clerks & Mail Machine Op., Ex. Postal Serv.	100	110	10	10.0%	4	\$11.39	11
43-9061	Office Clerks, General	2,490	3,030	540	21.7%	102	\$10.69	11
43-9999	Secret./Admin. Assis/Other Off. Sup. Work., AO	330	360	30	9.1%	8	NA	11
45-0000	Farming, Fishing, and Forestry Occupations	510	540	30	5.9%	12	NA	NA
47-0000	Construction and Extraction Occupations	8,330	9,810	1,480	17.8%	296	NA	NA
47-1011	First-Line Sup/Mgrs of Con. Trades/Extract. Work	880	1,000	120	13.6%	32	\$24.16	8
47-2021	Brickmasons and Blockmasons	390	460	70	17.9%	14	\$18.27	9
47-2031	Carpenters	1,750	1,980	230	13.1%	53	\$17.22	9
47-2051	Cement Masons and Concrete Finishers	450	510	60	13.3%	10	\$17.55	9
47-2061	Construction Laborers	1,290	1,660	370	28.7%	49	\$16.39	10
47-2073	Operating Engineers & Other Con. Equip. Op.	360	440	80	22.2%	16	\$19.59	10
47-2081	Drywall and Ceiling Tile Installers	110	130	20	18.2%	3	\$15.31	10
47-2111	Electricians	510	600	90	17.6%	19	\$19.52	9
47-2141	Painters, Construction and Maintenance	520	580	60	11.5%	15	\$14.72	10
47-2152	Plumbers, Pipefitters, and Steamfitters	500	580	80	16.0%	16	\$18.13	9
47-2161	Plasterers and Stucco Masons	120	140	20	16.7%	4	\$13.80	9
47-2181	Roofers	120	140	20	16.7%	5	NA	10
47-2211	Sheet Metal Workers	130	160	30	23.1%	6	\$17.28	10
47-3015	Helpers--Pipelayers/Plumbers/Pipefitters/Steamf	120	140	20	16.7%	8	\$10.68	11
47-4051	Highway Maintenance Workers	150	160	10	6.7%	3	\$15.82	10
49-0000	Installation, Maintenance, and Repair Occupations	6,320	6,790	470	7.4%	193	NA	NA
49-1011	FL Sup/Mgrs of Mechanics/Installers/Repairers	470	550	80	17.0%	20	\$22.93	8
49-2011	Computer, ATM, & Office Machine Repairers	100	110	10	10.0%	2	\$16.42	7
49-2022	Telecomm. Equip. Install/Repair, Ex. Line Install	110	120	10	9.1%	3	\$21.08	7
49-3021	Automotive Body and Related Repairers	240	270	30	12.5%	9	\$17.26	9
49-3023	Automotive Service Technicians and Mechanics	470	520	50	10.6%	16	\$16.77	7

*Occupations with 100 or more workers.

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**Hamilton-Middletown PMSA
Occupational* Employment Projections Report, 2000-2010**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage 2002	Education Training Level+
		2000 Annual	2010 Projected	2000-2010	Percent Change			
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	490	560	70	14.3%	20	\$17.97	7
49-3042	Mobile Heavy Equip. Mechanics, Ex. Engines	230	280	50	21.7%	11	\$17.02	7
49-9021	Heating, AC, & Refrigeration Mechanics/Installers	120	150	30	25.0%	4	\$16.50	9
49-9041	Industrial Machinery Mechanics	170	190	20	11.8%	7	\$18.32	9
49-9042	Maintenance and Repair Workers, General	1,200	1,300	100	8.3%	26	\$16.22	9
49-9043	Maintenance Workers, Machinery	140	140	0	0.0%	4	\$18.06	9
49-9098	Helpers--Installation/Maintenance/Repair Workers	110	140	30	27.3%	9	\$16.06	11
49-9099	Installation/Maintenance/Repair Workers, AO	440	500	60	13.6%	15	NA	9
51-0000	Production Occupations	14,730	15,120	390	2.6%	377	NA	NA
51-1011	FL Sup/Mgrs of Production/Operating Workers	1,170	1,180	10	0.9%	32	\$21.61	8
51-2011	Aircraft Structure/Surfaces/Rigging/Sys. Assemb.	560	560	0	0.0%	15	\$10.74	9
51-2041	Structural Metal Fabricators and Fitters	250	260	10	4.0%	5	\$14.68	10
51-2092	Team Assemblers	1,060	1,100	40	3.8%	23	\$11.71	10
51-2099	Assemblers and Fabricators, All Other	430	510	80	18.6%	16	NA	10
51-3021	Butchers and Meat Cutters	110	100	-10	-9.1%	3	\$13.19	9
51-4011	Computer-Controlled Machine Tool Oper., M/P	160	190	30	18.8%	9	\$14.10	9
51-4031	Cutting/Punching/Press Machine S/O/T, M/P	790	780	-10	-1.3%	15	\$14.98	10
51-4033	Grind/Lapping/Polish/Buf Mach.Tool S/O/T, M/P	160	160	0	0.0%	4	\$15.16	10
51-4034	Lathe & Turning Machine Tool Setters, O/T, M/P	170	140	-30	-17.6%	7	\$12.24	10
51-4041	Machinists	760	790	30	3.9%	19	\$17.03	9
51-4081	Multiple Machine Tool Setters, O/T, M/P	110	120	10	9.1%	3	\$12.32	10
51-4111	Tool and Die Makers	160	150	180	-6.3%	4	\$19.68	9
51-4121	Welders, Cutters, Solderers, and Brazers	650	740	90	13.8%	27	\$15.35	7
51-4122	Welding/Soldering/Brazing Machine Setters, O/T	170	180	10	5.9%	6	\$17.58	10
51-4199	Metal Workers and Plastic Workers, All Other	1,120	1,160	40	3.6%	26	NA	10
51-5023	Printing Machine Operators	270	280	10	3.7%	8	\$14.20	10
51-6011	Laundry and Dry-Cleaning Workers	210	230	20	9.5%	8	\$8.24	10
51-7011	Cabinetmakers and Bench Carpenters	130	150	20	15.4%	6	\$13.49	9
51-7042	Woodworking Machine Setters, O/T, Ex. Sawing	100	120	20	20.0%	6	\$10.15	10
51-8031	Water/Liquid Waste Treatment Plant/System Op.	120	140	20	16.7%	6	\$19.44	9
51-8099	Plant and System Operators, All Other	100	140	40	40.0%	7	NA	9
51-9023	Mixing/Blending Mach. Setter/Operator/Tenders	130	130	0	0.0%	3	\$15.65	10
51-9032	Cutting/Slicing Mach. Setters/Operators/Tenders	160	160	0	0.0%	3	\$16.09	10
51-9041	Extrud/Form/Pressing/Compacting Mach. S/O/T	120	120	0	0.0%	3	\$14.27	10
51-9061	Inspectors/Testers/Sorters/Samplers/Weighers	650	600	-50	-7.7%	14	\$16.52	10
51-9111	Packaging & Filling Machine Operators/Tenders	170	220	50	29.4%	9	\$13.26	11
51-9121	Coating/Painting/Spraying Machine Setters, O/T	140	150	10	7.1%	4	\$13.50	10
51-9196	Paper Goods Mach. Setters/Operators/Tenders	690	510	-180	-26.1%	14	\$15.19	10
51-9198	Helpers--Production Workers	620	670	50	8.1%	21	\$12.26	11
51-9199	Production Workers, All Other	790	820	30	3.8%	17	NA	10
53-0000	Transportation and Material Moving Occupations	15,150	17,600	2,450	16.2%	621	NA	NA
53-1021	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	160	190	30	18.8%	7	\$18.62	8
53-1031	FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	260	290	30	11.5%	9	\$20.22	8
53-3021	Bus Drivers, Transit and Intercity	140	160	20	14.3%	6	\$20.13	10
53-3022	Bus Drivers, School	800	910	110	13.8%	31	\$11.96	11
53-3031	Driver/Sales Workers	800	920	120	15.0%	23	\$8.16	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	2,790	3,150	360	12.9%	74	\$15.60	10
53-3033	Truck Drivers, Light or Delivery Services	1,030	1,190	160	15.5%	30	\$13.14	11
53-3099	Motor Vehicle Operators, All Other	210	240	30	14.3%	7	NA	11
53-7021	Crane and Tower Operators	420	400	-20	-4.8%	13	NA	10
53-7032	Excavating & Loading Machine & Dragline Oper.	120	150	30	25.0%	7	\$17.18	10
53-7051	Industrial Truck and Tractor Operators	690	780	90	13.0%	19	\$13.16	11
53-7061	Cleaners of Vehicles and Equipment	330	380	50	15.2%	18	\$9.26	11

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**Hamilton-Middletown PMSA
Occupational* Employment Projections Report, 2000-2010**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage 2002	Education Training Level+
		2000 Annual	2010 Projected	2000-2010	Percent Change			
53-7062	Laborers/Freight/Stock/Material Movers, Hand	5,270	6,520	1,250	23.7%	301	\$10.82	11
53-7063	Machine Feeders and Offbearers	180	150	-30	-16.7%	6	\$12.41	11
53-7064	Packers and Packagers, Hand	1,210	1,370	160	13.2%	47	\$8.65	11
53-7199	Material Moving Workers, All Other	150	160	10	6.7%	6	NA	11

+ Education/Training Levels

- 1 First Professional Degree
- 2 Doctor's Degree
- 3 Master's Degree
- 4 Work Experience plus Degree
- 5 Bachelor's Degree
- 6 Associate Degree
- 7 Postsecondary Vocational Training
- 8 Work Experience in a Related Occupation
- 9 Long-Term On-The-Job Training
- 10 Moderate-Term On-The-Job Training
- 11 Short-Term On-The-Job Training
- NA Not Available/Applicable

****Abbreviations**

- AO = All Other
- FL Sup/Mgrs = First-Line Supervisors/Managers
- M/P = Metal and Plastic
- O/T = Operators and Tenders
- S/O/T = Setters, Operators and Tenders
- PS = Postsecondary

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, August 2003.

*Occupations with 100 or more workers.

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+See last page for Education and Training Level.

++Average Annual Salary

Hamilton-Middletown PMSA
Occupations with High Employment Prospects By Education/Training Level
(Occupations paying \$12.00 or more an hour & having at least 10 annual openings)

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage 2002
		2000 Annual	2010 Projected	2000-2010	Percent Change		
Short-Term On-The-Job Training							
33-9032	Security Guards	320	390	70	21.9%	16	\$12.07
43-3011	Bill and Account Collectors	230	290	60	26.1%	12	\$13.27
43-3021	Billing & Posting Clerks & Machine Operators	470	520	50	10.6%	16	\$12.28
43-5052	Postal Service Mail Carriers	340	340	0	0.0%	10	\$18.73+
43-5061	Production, Planning, and Expediting Clerks	320	370	50	15.6%	11	\$17.33
43-5071	Shipping, Receiving, and Traffic Clerks	810	900	90	11.1%	25	\$12.19
51-9198	Helpers--Production Workers	620	670	50	8.1%	21	\$12.26
53-3033	Truck Drivers, Light or Delivery Services	1,030	1,190	160	15.5%	30	\$13.14
53-7051	Industrial Truck and Tractor Operators	690	780	90	13.0%	19	\$13.16
Moderate-Term On-The-Job Training							
41-4012	Sales Rep., Wholesale/Mfg, Ex. Tech./Sci. Prod.	2,080	2,470	390	18.8%	95	\$25.31
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,710	1,880	170	9.9%	50	\$13.96
43-4051	Customer Service Representatives	1,590	2,050	10	28.9%	60	\$12.38
43-6011	Executive Secretaries & Admin. Assistants	1,040	1,230	190	18.3%	37	\$14.85
43-6014	Secretaries, Ex. Legal, Medical, & Executive	1,810	1,880	70	3.9%	38	\$12.26
47-2061	Construction Laborers	1,290	1,660	370	28.7%	49	\$16.39
47-2073	Operating Engineers & Other Con. Equip. Op.	360	440	80	22.2%	16	\$19.59
47-2141	Painters, Construction and Maintenance	520	580	60	11.5%	15	\$14.72
51-4031	Cutting/Punching/Press Machine S/O/T, M/P	790	780	-10	-1.3%	15	\$14.98
51-9061	Inspectors/Testers/Sorters/Samplers/Weighers	650	600	-50	-7.7%	14	\$16.52
51-9196	Paper Goods Mach. Setters/Operators/Tenders	690	510	-180	-26.1%	14	\$15.19
53-3032	Truck Drivers, Heavy and Tractor-Trailer	2,790	3,150	360	12.9%	74	\$15.60
53-7021	Crane and Tower Operators	420	400	-20	-4.8%	13	\$17.72+
Long-Term On-The-Job Training							
13-1031	Claims Adjusters, Examiners, and Investigators	330	480	150	45.5%	19	\$20.10+
33-2011	Fire Fighters	450	500	50	11.1%	17	\$12.90
33-3051	Police and Sheriff's Patrol Officers	500	630	130	26.0%	24	\$20.07
47-2021	Brickmasons and Blockmasons	390	460	70	17.9%	14	\$18.27
47-2031	Carpenters	1,750	1,980	230	13.1%	53	\$17.22
47-2051	Cement Masons and Concrete Finishers	450	510	60	13.3%	10	\$17.55
47-2111	Electricians	510	600	90	17.6%	19	\$19.52
47-2152	Plumbers, Pipefitters, and Steamfitters	500	580	80	16.0%	16	\$18.13
49-9042	Maintenance and Repair Workers, General	1,200	1,300	100	8.3%	26	\$16.22
51-4041	Machinists	760	790	30	3.9%	19	\$17.03
Work Experience in a Related Occupation							
11-9051	Food Service Managers	440	510	70	15.9%	12	\$16.67
25-1194	Vocational Education Teachers, Postsecondary	190	240	50	26.3%	10	\$16.77
41-1011	First-Line Superv./Mgrs of Retail Sales Workers	1,800	1,970	90	9.4%	43	\$14.79
41-1012	First-Line Sup./Mgrs of Non-Retail Sales Workers	410	470	60	14.6%	12	\$33.95
43-1011	First-Line Sup/Mgrs of Office & Admin. Support	900	1,030	130	14.4%	30	\$18.60
47-1011	First-Line Sup/Mgrs of Con. Trades/Extract. Work	880	1,000	120	13.6%	32	\$24.16
49-1011	FL Sup/Mgrs of Mechanics/Installers/Repairers	470	550	80	17.0%	20	\$22.93
51-1011	FL Sup/Mgrs of Production/Operating Workers	1,170	1,180	10	0.9%	32	\$21.61
Postsecondary Vocational Training							

Hamilton-Middletown PMSA
Occupations with High Employment Prospects By Education/Training Level
(Occupations paying \$12.00 or more an hour & having at least 10 annual openings)

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage 2002
		2000 Annual	2010 Projected	2000-2010	Percent Change		
29-2061	Licensed Practical & Licensed Vocat. Nurses	690	800	110	15.9%	29	\$15.36
49-3023	Automotive Service Technicians and Mechanics	470	520	50	10.6%	16	\$16.77
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	490	560	70	14.3%	20	\$17.97
49-3042	Mobile Heavy Equip. Mechanics, Ex. Engines	230	280	50	21.7%	11	\$17.02
51-4121	Welders, Cutters, Solderers, and Brazers	650	740	90	13.8%	27	\$15.35
Associate Degree							
15-1041	Computer Support Specialists	320	600	280	87.5%	29	\$21.76
29-1111	Registered Nurses*	1,970	2,360	390	19.8%	79	\$20.94
Bachelor's Degree							
13-1051	Cost Estimators	290	340	50	17.2%	11	\$23.64
13-2011	Accountants and Auditors	720	850	130	18.1%	24	\$23.04
13-2072	Loan Officers	210	270	60	28.6%	10	\$22.01
15-1021	Computer Programmers	960	1,150	190	19.8%	39	\$32.16
15-1031	Computer Software Engineers, Applications	330	700	370	112.1%	39	\$37.16
15-1051	Computer Systems Analysts	260	400	140	53.8%	16	\$25.48
15-1061	Database Administrators	150	280	130	86.7%	14	\$28.21+
15-1071	Network and Computer Systems Administrators	210	380	170	81.0%	18	\$27.80
19-3021	Market Research Analysts	200	260	60	30.0%	11	\$30.34
25-2021	Elementary School Teachers, Ex.Special Ed.	1,440	1,670	230	16.0%	56	\$44,456++
25-2022	Middle School Teachers, Ex. Special & Voc. Ed.	620	700	80	12.9%	23	\$44,609++
25-2031	Secondary Sch. Teachers, Ex. Spec. & Voc. Ed.	960	1,160	200	20.8%	49	\$43,350++
25-2041	Special Ed. Teachers, Pre./Kinder./Elem. Sch.	180	260	80	44.4%	10	\$43,086++
Work Experience plus Degree							
11-1011	Chief Executives	710	820	110	15.5%	34	\$50.46
11-1021	General and Operations Managers	2,290	2,640	350	15.3%	74	\$34.04
11-3021	Computer and Information Systems Managers	210	310	100	47.6%	14	\$36.70
11-3031	Financial Managers	490	590	100	20.4%	18	\$33.63
11-9032	Education Admin., Elem. & Secondary School	240	280	40	16.7%	10	\$78,535++
13-1111	Management Analysts	230	330	100	43.5%	12	\$33.39
First Professional Degree							
29-1051	Pharmacists	230	310	80	34.8%	15	\$33.84

***Abbreviations**

FL Sup/Mgrs = First-Line Supervisors/Managers

M/P = Metal and Plastic

O/T = Operators and Tenders

S/O/T = Setters, Operators and Tenders

**Training is met through a two-year associate degree; a three-year diploma; or a four-year bachelor's program.

+Statewide Average Wage

++Average Annual Salary

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, October 2003.

Dictionary of Occupations Standard Occupational Classification (SOC)

A		Audio-Visual Collections Specialists	25-9011
Abstractors, Title Examiners, and Searchers	23-2093	Auditors and Accountants	13-2011
AC, Heating, & Refrigeration Mechanics/Installers	49-9021	Automotive Body and Related Repairers	49-3021
Accountants and Auditors	13-2011	Automotive Glass Installers and Repairers	49-3022
Accounting, Bookkeeping, and Auditing Clerks	43-3031	Automotive Service Technicians and Mechanics	49-3023
Actors	27-2011	Avionics Technicians	49-2091
Actuaries	15-2011	B	
Adjudicators, Admin. Law Judges, & Hearing Off.	23-1021	Baggage Porters and Bellhops	39-6011
Admin. Assistants & Executive Secretaries	43-6011	Bailiffs	33-3011
Admin. Law Judges, Adjudicators, & Hearing Off.	23-1021	Bakers	51-3011
Administrative Services Managers	11-3011	Bar Helpers & Dining Room & Cafeteria Attend.	35-9011
Auditing, Bookkeeping, and Accounting Clerks	43-3031	Barbers	39-5011
Adult Literacy, Remedial Ed., & GED Teachers	25-3011	Bartenders	35-3011
Advertising and Promotions Managers	11-2011	Behavioral Dis. & Substance Abuse Counselors	21-1011
Advertising Sales Agents	41-3011	Bellhops and Baggage Porters	39-6011
Aerobics Instructors and Fitness Trainers	39-9031	Bench Carpenters and Cabinetmakers	51-7011
Aerospace Engineering & Operations Tech.	17-3021	Benefits, Comp., & Job Analysis Specialists	13-1072
Aerospace Engineers	17-2011	Bicycle Repairers	49-3091
Agricultural and Food Science Technicians	19-4011	Bill and Account Collectors	43-3011
Agricultural and Food Scientists	19-1010	Billing & Posting Clerks & Machine Operators	43-3021
Agricultural Equipment Operators	45-2091	Bindery Workers	51-5011
Agricultural Inspectors	45-2011	Biochemists and Biophysicists	19-1021
Agricultural Sciences Teachers, Postsecondary	25-1041	Biological Science Teachers, Postsecondary	25-1042
Air Traffic Controllers	53-2021	Biological Technicians	19-4021
Air Transportation Workers, All Other	53-2099	Biomedical Engineers	17-2031
Aircraft Cargo Handling Supervisors	53-1011	Boilermakers	47-2011
Aircraft Mechanics and Service Technicians	49-3011	Bookbinders	51-5012
Aircraft Structure/Surfaces/Rigging/Sys. Assemb.	51-2011	Bookkeeping, Accounting, and Auditing Clerks	43-3031
Airfield Operations Specialists	53-2022	Boring & Drilling Machine Tool Setters, O/T, M/P	51-4032
Airline Pilots, Copilots, and Flight Engineers	53-2011	Brazers, Welders, Cutters, and Solderers	51-4121
Ambulance Drivers & Attendants, Except EMT	53-3011	Brick/Block/Stone/Tile & Marble Setters--Helpers	47-3011
Ambulance, Police, and Fire Dispatchers	43-5031	Brickmasons and Blockmasons	47-2021
Amusement and Recreation Attendants	39-3091	Bridge and Lock Tenders	53-6011
Amusement/Coin/Vending Machine Serv/Repair	49-9091	Broadcast Technicians	27-4012
Anesthesiologists	29-1061	Brokerage Clerks	43-4011
Animal Breeders	45-2021	Budget Analysts	13-2031
Animal Control Workers	33-9011	Building & Grounds Cleaning & Maint. Work., AO	37-9099
Animal Trainers	39-2011	Building and Construction Inspectors	47-4011
Animators and Multi-Media Artists	27-1014	Bus & Truck Mechanics & Diesel Engine Spec.	49-3031
Announcers	27-3010	Bus Drivers, School	53-3022
Answering Service and Switchboard Operators	43-2011	Bus Drivers, Transit and Intercity	53-3021
Anthropology & Archeology Teachers, Postsec.	25-1061	Business Operations Specialists, All Other	13-1199
Apparel and Fabric Patternmakers	51-6092	Business Teachers, Postsecondary	25-1011
Appraisers and Assessors of Real Estate	13-2021	Butchers and Meat Cutters	51-3021
Arbitrators, Mediators, and Conciliators	23-1022	Buyers and Purchasing Agents, Farm Products	13-1021
Archeology & Anthropology Teachers, Postsec.	25-1061	C	
Architects, Except Landscape and Naval	17-1011	Cabinetmakers and Bench Carpenters	51-7011
Architects, Surveyors, & Cartograph., All Other	17-1099	Camera & Photographic Equipment Repairers	49-9061
Architectural and Civil Drafters	17-3011	Camera Operators, TV, Video, & Motion Picture	27-4031
Architecture Teachers, Postsecondary	25-1031	Captains, Mates, and Pilots of Water Vessels	53-5021
Archivists, Curators, and Museum Technicians	25-4010	Cardiovascular Technologists and Technicians	29-2031
Area, Ethnic, & Cultural Studies Teachers, Post.	25-1062	Cargo and Freight Agents	43-5011
Art and Design Workers, All Other	27-1099	Carpenters	47-2031
Art Directors	27-1011	Carpenter's Helpers	47-3012
Art, Drama, and Music Teachers, Postsecondary	25-1121	Carpenters, Bench and Cabinetmakers	51-7011
Artists, Inc. Painters, Sculptors, & Illustrators	27-1013	Carpet Installers	47-2041
Assemblers and Fabricators, All Other	51-2099	Cashiers	41-2011
Assessors and Appraisers of Real Estate	13-2021	Casters and Pourers, Metal	51-4052
Athletes and Sports Competitors	27-2021	Ceiling Tile and Drywall Installers	47-2081
Athletic Trainers	29-9091	Cement Masons and Concrete Finishers	47-2051
ATM, Computer, & Office Machine Repairers	49-2011	Cementing/Gluing Machine Operators/Tenders	51-9191
Atmos./Earth/ Marine/Space Sci. Teachers, PS	25-1051	Chauffeurs and Taxi Drivers	53-3041
Atmospheric and Space Scientists	19-2021	Chefs and Head Cooks	35-1011
Audio and Video Equipment Technicians	27-4011	Chemical Engineers	17-2041
Audiologists	29-1121	Chemical Equipment Operators and Tenders	51-9011

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Chemical Plant and System Operators	51-8091	Conveyor Operators and Tenders	53-7011
Chemical Technicians	19-4031	Cooks, Fast Food	35-2011
Chemistry Teachers, Postsecondary	25-1052	Cooks, Institution and Cafeteria	35-2012
Chemists	19-2031	Cooks, Restaurant	35-2014
Chief Executives	11-1011	Cooks, Short Order	35-2015
Child Care Workers	39-9011	Cooling/Freezing Equipment Operators/Tenders	51-9193
Child, Family, and School Social Workers	21-1021	Correct. Treatment & Probation Officers Spec.	21-1092
Child, Family, and School Social Workers	21-1021	Correctional Officers and Jailers	33-3012
Chiropractors	29-1011	Correctional Officers, First-Line Superv./Mgrs	33-1011
Choreographers	27-2032	Correspondence Clerks	43-4021
Civil and Architectural Drafters	17-3011	Correspondents, News Analysts and Reporters	27-3020
Civil Engineering Technicians	17-3022	Cosmetologists, Hairdressers, and Hairstylists	39-5012
Civil Engineers	17-2051	Cost Estimators	13-1051
Claims Adjusters, Examiners, and Investigators	13-1031	Costume Attendants	39-3092
Cleaners of Vehicles and Equipment	53-7061	Counseling, Clinical, and School Psychologists	19-3031
Cleaning/Washing/Metal Pickling Equipment O/T	51-9192	Counselors, Social, & Religious Work., All Other	21-9099
Clergy	21-2011	Counter and Rental Clerks	41-2021
Clinical Laboratory and Medical Technicians	29-2012	Counter Attend., Café/Food Concess/Coffee Sh.	35-3022
Clinical Laboratory and Medical Technologists	29-2011	Couriers and Messengers	43-5021
Clinical, Counseling, and School Psychologists	19-3031	Court Reporters	23-2091
Coaches and Scouts	27-2022	Court, Municipal, and License Clerks	43-4031
Coating, Painting, and Decorating Workers	51-9123	Crane and Tower Operators	53-7021
Coating/Painting/Spraying Machine Setters, O/T	51-9121	Credit Analysts	13-2041
Coating/Painting/Spraying Machine Setters, O/T	51-9121	Credit Authorizers, Checkers, and Clerks	43-4041
Coatroom/Locker Room/Dressing Rm Attendants	39-3093	Criminal Investigators and Detectives	33-3021
Coil Winders, Tapers, and Finishers	51-2021	Criminal Justice/Law Enforcement Teachers, PS	25-1111
Coin/Vending/Amusement Machine Serv/Repair	49-9091	Crossing Guards	33-9091
Collectors, Tax Examiners, & Revenue Agents	13-2081	Crushing/Grinding/Polishing Machine S/O/T	51-9021
Comb. Food Prep. & Serv. Work, Inc. Fast Food	35-3021	Cultural Studies Area, & Ethnic Teachers, Post.	25-1062
Commercial and Industrial Designers	27-1021	Curators, Archivists, and Museum Technicians	25-4010
Commercial Pilots	53-2012	Customer Service Representatives	43-4051
Communications Equipment Operators, All Other	43-2099	Cutters and Trimmers, Hand	51-9031
Communications Teachers, Postsecondary	25-1122	Cutters, Welders, Solderers, and Brazers	51-4121
Community Assn, Property, & Real Estate Mgrs	11-9141	Cutting/Punching/Press Machine S/O/T, M/P	51-4031
Comp. Software Engineers, Systems Software	15-1032	Cutting/Slicing Mach. Setters/Operators/Tenders	51-9032
Comp., Benefits, & Job Analysis Specialists	13-1072	D	
Compl. Off., Ex. Agric, Con, Hlth/Safety, & Trans.	13-1041	Dancers	27-2031
Composers and Music Directors	27-2041	Data Comm. & Network Systems Analysts	15-1081
Computer and Information Scientists, Research	15-1011	Data Entry Keyers	43-9021
Computer and Information Systems Managers	11-3021	Database Administrators	15-1061
Computer Hardware Engineers	17-2061	Decorating, Painting, and Coating Workers	51-9123
Computer Operators	43-9011	Demonstrators and Product Promoters	41-9011
Computer Programmers	15-1021	Dental Assistants	31-9091
Computer Science Teachers, Postsecondary	25-1021	Dental Hygienists	29-2021
Computer Software Engineers, Applications	15-1031	Dental Laboratory Technicians	51-9081
Computer Specialists, All Other	15-1099	Dentists	29-1020
Computer Support Specialists	15-1041	Desktop Publishers	43-9031
Computer Systems Analysts	15-1051	Detectives and Criminal Investigators	33-3021
Computer Systems and Network Administrators	15-1071	Detectives and Investigators, Private	33-9021
Computer, ATM, & Office Machine Repairers	49-2011	Diagnostic Medical Sonographers	29-2032
Computer-Controlled Machine Tool Oper., M/P	51-4011	Dietetic Technicians	29-2051
Con. Trades/Extract. Work First-Line Sup/Mgrs	47-1011	Dietitians and Nutritionists	29-1031
Concierges	39-6012	Dining Room & Cafeteria Attend. & Bar Helpers	35-9011
Conciliators, Arbitrators, and Mediators	23-1022	Dirkey Operators, Rail Yard Engineers & Hostlers	53-4013
Concrete Finishers and Cement Masons	47-2051	Directors and Producers	27-2012
Conservation and Forest Technicians	19-4093	Directors, Religious Activities and Education	21-2021
Conservation and Forest Workers	45-4011	Dishwashers	35-9021
Conservation Scientists	19-1031	Dispatchers, Except Police, Fire, & Ambulance	43-5032
Construction and Building Inspectors	47-4011	Dispatchers, Police, Fire, and Ambulance	43-5031
Construction Laborers	47-2061	Distribution, Transportation & Storage Managers	11-3071
Construction Managers	11-9021	Dog Groomer	39-2021
Construction Trades & Related Workers, AO	47-4999	Door-To-Door Sales, News/St. Vendors, & Rel.	41-9091
Continuous Mining Machine Operators	47-5041	Drafters, Engin., & Mapping Tech., All Other	17-3099
Control & Valve Install/Repair, Ex. Mech. Door	49-9012	Dragline & Excavating & Loading Machine Oper.	53-7032
Convention and Meeting Planners	13-1121	Drama, Art, and Music Teachers, Postsecondary	25-1121

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Dredge Operators	53-7031	F	
Dressing Rm/Locker Room/Coatroom Attendants	39-3093	Fabric and Apparel Patternmakers	51-6092
Dressmakers, Tailors, and Custom Sewers	51-6052	Family and General Practitioners	29-1062
Drilling & Boring Machine Tool Setters, O/T, M/P	51-4032	Family and Marriage Therapists	21-1013
Driver/Sales Workers	53-3031	Farm and Home Management Advisors	25-9021
Dry-Cleaning and Laundry Workers	51-6011	Farm Equipment Mechanics	49-3041
Drywall and Ceiling Tile Installers	47-2081	Farm, Ranch, and Other Agricultural Managers	11-9011
E		Farmers and Ranchers	11-9012
Earth Drillers, Except Oil and Gas	47-5021	Farming, Fishing, & Forestry Workers, All Other	45-9099
Earth/ Atmos/Marine/Space Sci. Teachers, PS	25-1051	Farming/Fishing/Forestry Wrks., FL Sup/Mgrs	45-1011
Economics Teachers, Postsecondary	25-1063	Farmworkers, Farm and Ranch Animals	45-2093
Economists	19-3011	Farmworkers/Laborers, Crop/Nursery/Greenhse	45-2092
Editors	27-3041	Fashion Designers	27-1022
Education Admin., Elem. & Secondary School	11-9032	Fence Erectors	47-4031
Education Admin., Pre & Child Care Center/Prog.	11-9031	Fiberglass Laminators and Fabricators	51-2091
Education Administrators, Postsecondary	11-9033	File Clerks	43-4071
Education Teachers, Postsecondary	25-1081	Filling & Packaging Machine Operators/Tenders	51-9111
Education, and Religious Activities Directors	21-2021	Film and Video Editors	27-4032
Educational, Vocational, & School Counselors	21-1012	Financial Analysts	13-2051
Electric Motor, Power Tool, & Related Repairers	49-2092	Financial Examiners	13-2061
Electrical & Electronic Engineering Technicians	17-3023	Financial Managers	11-3031
Electrical & Electronic Equipment Assemblers	51-2022	Financial Specialists, All Other	13-2099
Electrical and Electronics Drafters	17-3012	Financial, Info., & Record Clerks, All Other	43-4999
Electrical Engineers	17-2071	Finishers, Coil Winders, and Tapers	51-2021
Electrical Power-Line Installers and Repairers	49-9051	Fire Alarm Systems and Security Installers	49-2098
Electrical/Electronic Equip Mech/Install/Repr, AO	49-2099	Fire Fighters	33-2011
Electrical/Electronics Install/Repair, Trans. Equip.	49-2093	Fire Fighting & Prev. Workers, FL Sup/Mgrs	33-1021
Electrical/Electronics Repair, Comm/Indus Equip.	49-2094	Fire Inspectors and Investigators	33-2021
Electrical/Electronics Repair, Pwrhse/Substa/Rly	49-2095	Fire, Police and Ambulance Dispatchers	43-5031
Electricians	47-2111	First-Line Sup./Mgrs of Non-Retail Sales Workers	41-1012
Electrician's Helpers	47-3013	First-Line Sup/Mgrs of Con. Trades/Extract. Work	47-1011
Electromechanical Equipment Assemblers	51-2023	First-Line Sup/Mgrs of Office & Admin. Support	43-1011
Electro-Mechanical Technicians	17-3024	First-Line Sup/Mgrs of Personal Serv. Workers	39-1021
Electronic Equipment Install/Repair, Motor Veh.	49-2096	First-Line Sup/Mgrs, Protective Serv. Work., AO	33-1099
Electronic Home Entertainm Equip. Install/Repair	49-2097	First-Line Superv./Mgrs of Correctional Officers	33-1011
Electronics Engineers, Except Computer	17-2072	First-Line Superv./Mgrs of Police & Detectives	33-1012
Elementary School Teachers, Ex.Special Ed.	25-2021	First-Line Superv./Mgrs of Retail Sales Workers	41-1011
Elevator Installers and Repairers	47-4021	Fish and Game Wardens	33-3031
Eligibility Interviewers, Government Programs	43-4061	Fish, Meat, and Poultry Cutters and Trimmers	51-3022
Embalmers	39-4011	Fitness Studies & Recreation Teachers, Post.	25-1193
Emergency Management Specialists	13-1061	Fitness Trainers and Aerobics Instructors	39-9031
Emergency Medical Technicians & Paramedics	29-2041	FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	53-1031
Empl., Recruitment, & Placement Specialists	13-1071	FL Sup/Mgrs of Farming/Fishing/Forestry Wrks.	45-1011
Engine and Other Machine Assemblers	51-2031	FL Sup/Mgrs of Fire Fighting & Prev. Workers	33-1021
Engineering Managers	11-9041	FL Sup/Mgrs of Food Prep. & Serving Workers	35-1012
Engineering Teachers, Postsecondary	25-1032	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	53-1021
Engineering Technicians, Ex. Drafters, All Other	17-3029	FL Sup/Mgrs of Housekping & Janitorial Workers	37-1011
Engineers, All Other	17-2199	FL Sup/Mgrs of Lndscap./Lawn Ser/Groundskp	37-1012
English Language & Literature Teachers, Post.	25-1123	FL Sup/Mgrs of Mechanics/Installers/Repairers	49-1011
Engravers and Etchers	51-9194	FL Sup/Mgrs of Production/Operating Workers	51-1011
Entertain. & Perform., Sports & Rel. Work., AO	27-2099	Flight Attendants	39-6031
Environ. Science & Protection Tech., Inc. Health	19-4091	Flight Engineers, Airline Pilots, and Copilots	53-2011
Environmental Engineering Technicians	17-3025	Floor Layers, Ex. Carpet, Wood, & Hard Tiles	47-2042
Environmental Engineers	17-2081	Floor Sanders and Finishers	47-2043
Environmental Scientists/Specialists, Inc. Health	19-2041	Floral Designers	27-1023
Etchers and Engravers	51-9194	Food and Agricultural Scientists	19-1010
Ethnic, Area, & Cultural Studies Teachers, Post.	25-1062	Food Batchmakers	51-3092
Excavating & Loading Machine & Dragline Oper.	53-7032	Food Cooking Machine Operators and Tenders	51-3093
Executive Secretaries & Admin. Assistants	43-6011	Food Prep. & Serv. Work Comb., Inc. Fast Food	35-3021
Exhibit and Set Designers	27-1027	Food Prep. & Serving Related Workers, AO	35-9099
Extraction Workers' Helpers	47-5081	Food Prep. & Serving Workers, FL Sup/Mgrs	35-1012
Extraction Workers, All Other	47-5099	Food Preparation Workers	35-2021
Extrud/Form Mach. S/O/T, Synthetic/Glass Fibers	51-6091	Food Processing Workers, All Other	51-3099
Extrud/Form/Pressing/Compacting Mach. S/O/T	51-9041	Food Science and Agricultural Technicians	19-4011
Extruding & Drawing Machine Setters, O/T, M/P	51-4021	Food Servers, Nonrestaurant	35-3041

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Food Service Managers	11-9051	History Teachers, Postsecondary	25-1125
Food/Tobacco Roast/Baking/ Drying Mach. O/T	51-3091	Hoist and Winch Operators	53-7041
Foreign Language & Literature Teachers, Post.	25-1124	Home and Farm Management Advisors	25-9021
Forensic Science Technicians	19-4092	Home Appliance Repairers	49-9031
Forest and Conservation Technicians	19-4093	Home Economics Teachers, Postsecondary	25-1192
Forest and Conservation Workers	45-4011	Home Health Aides	31-1011
Foresters	19-1032	Horse Groomer	45-2093
Forging Mach. Setters/Operators/Tenders, M/P	51-4022	Hostlers, Rail Yard Engineers, & Dinkey Operators	53-4013
Forklift Operators	53-7051	Hosts & Hostesses, Rest./Lounge/Coffee Shop	35-9031
Form/Extrud Mach. S/O/T, Synthetic/Glass Fibers	51-6091	Hotel, Motel, and Resort Desk Clerks	43-4081
Foundry Mold and Coremakers	51-4071	House Parent	39-9041
Freezing/Cooling Equipment Operators/Tenders	51-9193	Housekping & Janitorial Workers, FL Sup/Mgrs	37-1011
Freight and Cargo Agents	43-5011	Human and Social Service Assistants	21-1093
Funeral Attendants	39-4021	Human Resources Assis., Ex. Payroll & Timekp	43-4161
Funeral Directors	11-9061	Human Resources Managers	11-3040
Furnace/Kiln/Oven/Drier/Kettle Oper./Tenders	51-9051	Hydrologists	19-2043
Furniture Finishers	51-7021	I	
G		Illustrators/Painters/Sculptors & Other Fine Artists	27-1013
Gas Compressor & Gas Pumping Station Oper.	53-7071	Industrial and Commercial Designers	27-1021
Gas Plant Operators	51-8092	Industrial Engineering Technicians	17-3026
GED, Adult Literacy, & Remedial Ed. Teachers	25-3011	Industrial Engineers	17-2112
General and Family Practitioners	29-1062	Industrial Machinery Mechanics	49-9041
General and Operations Managers	11-1021	Industrial Production Managers	11-3051
Geography Teachers, Postsecondary	25-1064	Industrial Truck and Tractor Operators	53-7051
Geological & Mining Engin., Inc. Mining Safety	17-2151	Information and Record Clerks, All Other	43-4199
Geological and Petroleum Technicians	19-4041	Information and Systems Managers	11-3021
Geoscientists, Ex. Hydrologists & Geographers	19-2042	Information Clerks and Receptionists	43-4171
Glaziers	47-2121	Inspectors/Testers/Sorters/Samplers/Weighers	51-9061
Gluing/Cementing Machine Operators/Tenders	51-9191	Installation/Maintenance/Repair Workers, AO	49-9099
Golf Pro and Tennis Pro	27-2022	Installation/Maintenance/Repair Workers--Helpers	49-9098
Graders and Sorters, Agricultural Products	45-2041	Installers/Mechanics/Repairers, FL Sup/Mgrs	49-1011
Graduate Teaching Assistants	25-1191	Instructional Coordinators	25-9031
Graphic Designers	27-1024	Insulation Workers	47-2130
Grind/Lapping/Polish/Buf Mach.Tool S/O/T, M/P	51-4033	Insurance Appraisers, Auto Damage	13-1032
Grinding and Polishing Workers, Hand	51-9022	Insurance Claims and Policy Processing Clerks	43-9041
Grinding/Crushing/Polishing Machine S/O/T	51-9021	Insurance Sales Agents	41-3021
Groundskeeping and Landscaping Workers	37-3011	Insurance Underwriters	13-2053
Groundskp,Lndscap./Lawn Ser, FL Sup/Mgrs	37-1012	Interior Designers	27-1025
Gynecologists and Obstetricians	29-1064	Internists, General	29-1063
H		Interpreters and Translators	27-3091
Hairdressers, Hairstylists, and Cosmetologists	39-5012	Interviewers, Except Eligibility and Loan	43-4111
Hazardous Materials Removal Workers	47-4041	J	
Health Diagnosing & Treating Practitioners, AO	29-1199	Jailers and Correctional Officers	33-3012
Health Educators	21-1091	Janitorial & Housekping Workers, FL Sup/Mgrs	37-1011
Health Info. And Medical Records Technicians	29-2071	Janitors & Cleaners, Ex. Maids/Hsekping Clean.	37-2011
Health Services and Medical Managers	11-9111	Jewelers & Precious Stone & Metal Workers	51-9071
Health Specialties Teachers, Postsecondary	25-1071	Job Analysis, Comp., & Benefits Specialists	13-1072
Healthcare Practitioners & Tech. Workers, AO	29-9099	Job Printers	51-5021
Healthcare Support Workers, All Other	31-9099	Judges, Magistrate Judges, and Magistrates	23-1023
Hearing Off., Admin. Law Judges, & Adjudicators	23-1021	K	
Heat Treating Equip. Setters, O/T, M/P	51-4191	Kindergarten Teachers, Ex. Special Education	25-2012
Heath & Safety Engineers, Ex. Mining Safety	17-2111	L	
Heating, AC, & Refrigeration Mechanics/Installers	49-9021	Laborers/Freight/Stock/Material Movers, Hand	53-7062
Help/Labor/Mat. Movers, Hand, FL Sup/Mgrs	53-1021	Landscape Architects	17-1012
Helpers, Construction Trades, All Other	47-3019	Landscaping and Groundskeeping Workers	37-3011
Helpers--Brick/Block/Stone/Tile & Marble Setters	47-3011	Lathe & Turning Machine Tool Setters, O/T, M/P	51-4034
Helpers--Carpenters	47-3012	Laundry and Dry-Cleaning Workers	51-6011
Helpers--Electricians	47-3013	Law Clerks	23-2092
Helpers--Extraction Workers	47-5081	Law Enforcement/Criminal Justice Teachers, PS	25-1111
Helpers--Installation/Maintenance/Repair Workers	49-9098	Law Teachers, Postsecondary	25-1112
Helpers--Painters/Paper/Plasterers/Stucco Mas.	47-3014	Lawn Ser/Lndscap./Groundskp, FL Sup/Mgrs	37-1012
Helpers--Pipelayers/Plumbers/Pipefitters/Steamf	47-3015	Lawyers	23-1011
Helpers--Production Workers	51-9198	Lay-Out Workers, Metal and Plastic	51-4192
Helpers--Roofers	47-3016	Leather and Shoe Workers and Repairers	51-6041
Highway Maintenance Workers	47-4051	Legal and Related Workers, All Other	23-9099

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Legal Assistants and Paralegals	23-2011	Medical and Clinical Laboratory Technologists	29-2011
Legal Secretaries	43-6012	Medical and Health Services Managers	11-9111
Legal Support Workers, All Other	23-2099	Medical and Public Health Social Workers	21-1022
Legislators	11-1031	Medical Appliance Technicians	51-9082
Lib., Museum, Training, & Other Ed. Work., AO	25-9199	Medical Assistants	31-9092
Librarians	25-4021	Medical Equipment Preparers	31-9093
Library Assistants, Clerical	43-4121	Medical Equipment Repairers	49-9062
Library Science Teachers, Postsecondary	25-1082	Medical Records & Health Info. Technicians	29-2071
Library Technicians	25-4031	Medical Scientists, Except Epidemiologists	19-1042
License, Court, and Municipal Clerks	43-4031	Medical Secretaries	43-6013
Licensed Practical & Licensed Vocat. Nurses	29-2061	Medical Transcriptionists	31-9094
Life Scientists, All Other	19-1099	Meeting and Convention Planners	13-1121
Life, Physical, & Social Science Tech., All Other	19-4099	Mental Health & Substance Abuse Social Work.	21-1023
Lndscap./Lawn Ser/Groundskp, FL Sup/Mgrs	37-1012	Mental Health Counselors	21-1014
Loading Machine & Excavating & Dragline Oper.	53-7032	Merchandise Displayers and Window Trimmers	27-1026
Loan Counselors	13-2071	Messengers and Couriers	43-5021
Loan Interviewers and Clerks	43-4131	Metal Workers and Plastic Workers, All Other	51-4199
Loan Officers	13-2072	Metal-Refining Furnace Operators and Tenders	51-4051
Locker Room/Coatroom/Dressing Rm Attendants	39-3093	Meter Readers, Utilities	43-5041
Locksmiths and Safe Repairers	49-9094	Microbiologists	19-1022
Locomotive Engineers	53-4011	Middle School Teachers, Ex. Special & Voc. Ed.	25-2022
Lodging Managers	11-9081	Milling & Planing Machine Setters, O/T, M/P	51-4035
Log Graders and Scalars	45-4023	Millwrights	49-9044
Logging Equipment Operators	45-4022	Mining & Geological Engin., Inc. Mining Safety	17-2151
M		Mining Machine Operators, Continuous	47-5041
Machine Feeders and Offbearers	53-7063	Mixing/Blending Mach. Setter/Operator/Tenders	51-9023
Machinists	51-4041	Mobile Heavy Equip. Mechanics, Ex. Engines	49-3042
Magistrates, Judges, and Magistrate Judges	23-1023	Mobile Home & Manufactured Building Installers	49-9095
Maids and Housekeeping Cleaners	37-2012	Model Makers, Metal and Plastic	51-4061
Mail Clerks & Mail Machine Op., Ex. Postal Serv.	43-9051	Model Makers, Wood	51-7031
Mail Superintendents and Postmasters	11-9131	Molders/Shapers/Casters, Ex. Metal & Plastic	51-9195
Maintenance and Repair Workers, General	49-9042	Molding/Coremaking/Casting Mach. S/O/T, M/P	51-4072
Maintenance Workers, Machinery	49-9043	Motel, Hotel, and Resort Desk Clerks	43-4081
Management Analysts	13-1111	Motion Picture Projectionists	39-3021
Managers, All Other	11-9199	Motor Vehicle Operators, All Other	53-3099
Manicurists and Pedicurists	39-5092	Motorboat Mechanics	49-3051
Manufactured Building & Mobile Home Installers	49-9095	Motorcycle Mechanics	49-3052
Mapping and Surveying Technicians	17-3031	Multi-Media Artists and Animators	27-1014
Marble and Tile Setters	47-2044	Multiple Machine Tool Setters, O/T, M/P	51-4081
Marine Oilers and Sailors	53-5011	Municipal, Court, and License Clerks	43-4031
Marine/Atmos./Earth/Space Sci. Teachers, PS	25-1051	Museum Technicians, Archivists, and Curators	25-4010
Market Research Analysts	19-3021	Music Directors and Composers	27-2041
Marketing Managers	11-2021	Music, Art, and Drama Teachers, Postsecondary	25-1121
Marriage and Family Therapists	21-1013	Musical Instrument Repairers and Tuners	49-9063
Massage Therapists	31-9011	Musicians and Singers	27-2042
Material Moving Workers, All Other	53-7199	N	
Material Rec./Sched./Dispatch/Distrib. Work, AO	43-5199	Natural Sciences Managers	11-9121
Materials Engineers	17-2131	Network and Computer Systems Administrators	15-1071
Materials Scientists	19-2032	Network Systems & Data Comm. Analysts	15-1081
Mathematical Science Occupations, All Other	15-2099	New Accounts Clerks	43-4141
Mathematical Science Teachers, Postsecondary	25-1022	News Analysts, Reporters and Correspondents	27-3020
Meat Cutters and Butchers	51-3021	Nonfarm Animal Caretakers	39-2021
Meat Packers and Slaughterers	51-3023	Nuclear Engineers	17-2161
Meat, Poultry, and Fish Cutters and Trimmers	51-3022	Nuclear Medicine Technologists	29-2033
Mechanical Door Repairers	49-9011	Nuclear Technicians	19-4051
Mechanical Drafters	17-3013	Numerical Tool & Process Control Programmers	51-4012
Mechanical Engineering Technicians	17-3027	Nursing Aides, Orderlies, and Attendants	31-1012
Mechanical Engineers	17-2141	Nursing Instructors & Teachers, Postsecondary	25-1072
Mechanics and Automotive Service Technicians	49-3023	Nutritionists and Dietitians	29-1031
Mechanics, Bus & Truck & Diesel Engine Spec.	49-3031	O	
Mechanics/Installers/Repairers, FL Sup/Mgrs	49-1011	Obstetricians and Gynecologists	29-1064
Media & Communication Equip. Workers, AO	27-4099	Occupational Health & Safety Specialists & Tech.	29-9010
Media and Communication Workers, All Other	27-3099	Occupational Therapist Aides	31-2012
Mediators, Arbitrators, and Conciliators	23-1022	Occupational Therapist Assistants	31-2011
Medical and Clinical Laboratory Technicians	29-2012	Occupational Therapists	29-1122

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Office & Admin. Support Workers, All Other	43-9199	Physicists	19-2012
Office & Admin. Support, First-Line Sup/Mgrs	43-1011	Physics Teachers, Postsecondary	25-1054
Office Clerks, General	43-9061	Pipefitters, Plumbers, and Steamfitters	47-2152
Office Machine Operators, Except Computer	43-9071	Pipelayers	47-2151
Office Machine, Computer, & ATM Repairers	49-2011	Pipelayers/Plumbers/Pipefitters/Steamf--Helpers	47-3015
Oil and Gas Rotary Drill Operators	47-5012	Placement, Empl., & Recruitment Specialists	13-1071
Oil and Gas Roustabouts	47-5071	Plant and System Operators, All Other	51-8099
Oil, Gas, and Mining Service Unit Operators	47-5013	Plasterers and Stucco Masons	47-2161
Operating Engineers & Other Con. Equip. Op.	47-2073	Plating & Coating Machine Setters, O/T, M/P	51-4193
Operations and General Managers	11-1021	Plumbers, Pipefitters, and Steamfitters	47-2152
Operations Research Analysts	15-2031	Podiatrists	29-1081
Ophthalmic Laboratory Technicians	51-9083	Police & Detectives, First-Line Superv./Mgrs	33-1012
Opticians, Dispensing	29-2081	Police and Sheriff's Patrol Officers	33-3051
Optometrists	29-1041	Police, Fire, and Ambulance Dispatchers	43-5031
Order Clerks	43-4151	Polish/Grind/Lapping/Buf Mach.Tool S/O/T, M/P	51-4033
Order Fillers and Stock Clerks	43-5081	Polishing/Crushing/Grinding Machine S/O/T	51-9021
Orderlies, Nursing Aides, and Attendants	31-1012	Political Science Teachers, Postsecondary	25-1065
Orthotists and Prosthetists	29-2091	Postal Service Clerks	43-5051
Outdoor Power Equip. & Other Sm Engine Mech. P	49-3053	Postal Service Mail Carriers	43-5052
Packaging & Filling Machine Operators/Tenders	51-9111	Postal Service Mail Sorters/Proc/Proc Mach. Op.	43-5053
Packers and Packagers, Hand	53-7064	Postmasters and Mail Superintendents	11-9131
Painters, Construction and Maintenance	47-2141	Postsecondary Teachers, All Other	25-1199
Painters, Transportation Equipment	51-9122	Poultry, Meat, and Fish Cutters and Trimmers	51-3022
Painters/Paper/Plasterers/Stucco Mas.--Helpers	47-3014	Pourers and Casters, Metal	51-4052
Painters/Sculptors/Illustrators & Other Fine Artists	27-1013	Power Distributors and Dispatchers	51-8012
Painting, Coating, and Decorating Workers	51-9123	Power Plant Operators	51-8013
Paper Goods Mach. Setters/Operators/Tenders	51-9196	Power Tool, Electric Motor & Related Repairers	49-2092
Paperhangers	47-2142	Precision Instrument/Equipment Repairers, AO	49-9069
Paralegals and Legal Assistants	23-2011	Prepress Technicians and Workers	51-5022
Paramedics & Emergency Medical Technicians	29-2041	Preschool Teachers, Except Special Education	25-2011
Park Ranger	33-9099	Press/Cutting/Punching Machine S/O/T, M/P	51-4031
Parking Enforcement Workers	33-3041	Pressers, Textile, Garment, & Related Materials	51-6021
Parking Lot Attendants	53-6021	Printing Machine Operators	51-5023
Parts Salespersons	41-2022	Printing Workers, All Other	51-5099
Patrol Officers, Police and Sheriff	33-3051	Private Detectives and Investigators	33-9021
Patternmakers, Fabric and Apparel	51-6092	Pro, Golf and Tennis	27-2022
Patternmakers, Metal and Plastic	51-4062	Probation Officers & Correct. Treatment Spec.	21-1092
Patternmakers, Wood	51-7032	Procurement Clerks	43-3061
Paving, Surfacing, & Tamping Equip. Operators	47-2071	Producers and Directors	27-2012
Payroll and Timekeeping Clerks	43-3051	Product Promoters and Demonstrators	41-9011
Pediatricians, General	29-1065	Production Workers' Helpers	51-9198
Pedicurists and Manicurists	39-5092	Production Workers, All Other	51-9199
Personal and Home Care Aides	39-9021	Production, Planning, and Expediting Clerks	43-5061
Personal Care and Service Workers, All Other	39-9099	Production/Operating Workers, FL Sup/Mgrs	51-1011
Personal Financial Advisors	13-2052	Promotions and Advertising Managers	11-2011
Personal Serv. Workers, First-Line Sup/Mgrs	39-1021	Proofreaders and Copy Markers	43-9081
Pest Control Workers	37-2021	Property, Real Estate, & Community Assn Mgrs	11-9141
Pesticide Handlers/Sprayers/Applicators, Veg.	37-3012	Prosthetists and Orthotists	29-2091
Petrol. Pump Sys. Oper/Refinery Oper/Gaugers	51-8093	Protective Service Workers, All Other	33-9099
Petroleum and Geological Technicians	19-4041	Pruners and Tree Trimmers	37-3013
Pharmacists	29-1051	Psychiatric Aides	31-1013
Pharmacy Aides	31-9095	Psychiatric Technicians	29-2053
Pharmacy Technicians	29-2052	Psychiatrists	29-1066
Philosophy & Religion Teachers, Postsecondary	25-1126	Psychology Teachers, Postsecondary	25-1066
Photographers	27-4021	Public Health and Medical Social Workers	21-1022
Photographic Equipment & Camera Repairers	49-9061	Public Relations Managers	11-2031
Photographic Process Workers	51-9131	Public Relations Specialists	27-3031
Photographic Processing Machine Operators	51-9132	Pump Operators, Except Wellhead Pumpers	53-7072
Physical Scientists, All Other	19-2099	Punching/Cutting/Press Machine S/O/T, M/P	51-4031
Physical Therapist Aides	31-2022	Purchasing Agents and Buyers, Farm Products	13-1021
Physical Therapist Assistants	31-2021	Purchasing Agents, Ex. Whole., Retail, & Farm	13-1023
Physical Therapists	29-1123	Purchasing Clerk	43-3061
Physician Assistants	29-1071	Purchasing Managers	11-3061
Physicians and Surgeons, All Other	29-1069	Q	
		Quality Control Engineer	17-2112

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Quality Control Inspector	51-9061	Scouts and Coaches	27-2022
Quality Control Technicians	17-3026	Sculptors/Painters/Illustrators & Other Fine Artists	27-1013
R		Searchers, Title Examiners, and Abstractors	23-2093
Radiation Therapists	29-1124	Secondary Sch. Teachers, Ex. Spec. & Voc. Ed.	25-2031
Radiologic Technologists and Technicians	29-2034	Secret./Admin. Assis/Other Off. Sup. Work., AO	43-9999
Rail Car Repairers	49-3043	Secretaries, Ex. Legal, Medical, & Executive	43-6014
Rail Transportation Workers, All Other	53-4099	Securities/Commodities/Fin. Serv. Sales Agents	41-3031
Rail Yard Engineers/Dinkey Operators/Hostlers	53-4013	Security and Fire Alarm Systems Installers	49-2098
Railroad and Transit Police	33-3052	Security Guards	33-9032
Railroad Brake, Signal, and Switch Operators	53-4021	Self-Enrichment Education Teachers	25-3021
Railroad Conductors and Yardmasters	53-4031	Semiconductor Processors	51-9141
Rail-Track Laying & Maintenance Equip. Oper.	47-4061	Sep./Filter/Clarify/Precipitating/Still Mach. S/O/T	51-9012
Ranch, Farm and Other Agricultural Managers	11-9011	Septic Tank Servicers and Sewer Pipe Cleaners	47-4071
Ranchers and Farmers	11-9012	Service Station Attendants	53-6031
Real Estate Brokers	41-9021	Service Unit Operators, Oil, Gas, and Mining	47-5013
Real Estate Sales Agents	41-9022	Set and Exhibit Designers	27-1027
Real Estate, Property, & Community Assn Mgrs	11-9141	Sewer Pipe Cleaners and Septic Tank Servicers	47-4071
Receiving, Shipping and Traffic Clerks	43-5071	Sewers, Hand	51-6051
Receptionists and Information Clerks	43-4171	Sewing Machine Operators	51-6031
Recreation & Fitness Studies Teachers, Post.	25-1193	Shampooers	39-5093
Recreation Workers	39-9032	Sheet Metal Workers	47-2211
Recreational Therapists	29-1125	Sheriff and Police Patrol Officers	33-3051
Recreational Vehicle Service Technicians	49-3092	Ship Engineers	53-5031
Recruitment, Empl., & Placement Specialists	13-1071	Ship, Tank Car, and Truck Loaders	53-7121
Recyclable Material and Refuse Collectors	53-7081	Shipping, Receiving, and Traffic Clerks	43-5071
Refractory Materials Repairers, Ex. Brickmasons	49-9045	Shoe and Leather Workers and Repairers	51-6041
Refrigeration, Heating, & AC Mechanics/Installers	49-9021	Signal and Track Switch Repairers, Railroad	49-9097
Refuse and Recyclable Material Collectors	53-7081	Singers and Musicians	27-2042
Regional and Urban Planners	19-3051	Skin Care Specialists	39-5094
Registered Nurses	29-1111	Slaughterers and Meat Packers	51-3023
Rehabilitation Counselors	21-1015	Slicing/Cutting Mach. Setters/Operators/Tenders	51-9032
Reinforcing Iron and Rebar Workers	47-2171	Social and Community Service Managers	11-9151
Religion & Philosophy Teachers, Postsecondary	25-1126	Social and Human Service Assistants	21-1093
Religious Activities, and Education Directors	21-2021	Social Scientists & Related Workers, All Other	19-3099
Remedial Ed., Adult Literacy, & GED Teachers	25-3011	Social Work Teachers, Postsecondary	25-1113
Repairers/Mechanics/Installers, FL Sup/Mgrs	49-1011	Sociology Teachers, Postsecondary	25-1067
Reporters, News Analysts and Correspondents	27-3020	Solderers, Welders, Cutters, and Brazers	51-4121
Reservation/Trans. Ticket Agents & Travel Clerks	43-4181	Sorters and Graders, Agricultural Products	45-2041
Residential Advisors	39-9041	Sorters/Inspectors/Testers/Samplers/Weighers	51-9061
Respiratory Therapists	29-1126	Sound Engineering Technicians	27-4014
Respiratory Therapy Technicians	29-2054	Space and Atmospheric Scientists	19-2021
Retail & Wholesale Buyers, Ex. Farm Products	13-1022	Space/Atmos./Earth/ Marine Sci. Teachers, PS	25-1051
Retail Sales Workers, First-Line Superv./Mgrs	41-1011	Special Ed. Teachers, Pre./Kinder./Elem. Sch.	25-2041
Retail Salespersons	41-2031	Special Education Teachers, Middle School	25-2042
Revenue Agents, Tax Examiners, & Collectors	13-2081	Special Education Teachers, Secondary School	25-2043
Rolling Machine Setters/Operators/Tenders, M/P	51-4023	Speech-Language Pathologists	29-1127
Roofers	47-2181	Spraying/Painting/Coating Machine Setters, O/T	51-9121
Roofers' Helpers	47-3016	Stable Attendant	39-2021
Rotary Drill Operators, Oil and Gas	47-5012	Stationary Engineers and Boiler Operators	51-8021
Roustabouts, Oil and Gas	47-5071	Statistical Assistants	43-9111
S		Statisticians	15-2041
Safe and Locksmiths Repairers	49-9094	Steamfitters, Plumbers, and Pipefitters	47-2152
Safety & Health Engineers, Ex. Mining Safety	17-2111	Steel and Structural Iron Workers	47-2221
Sailors and Marine Oilers	53-5011	Stock Clerks and Order Fillers	43-5081
Sales and Related Workers, All Other	41-9099	Stonemasons	47-2022
Sales Engineers	41-9031	Storage, Transportation, & Distribution Managers	11-3071
Sales Managers	11-2022	Streetcar and Subway Operators	53-4041
Sales Rep., Wholesale & Mfg, Tech./Sci. Prod.	41-4011	Structural Iron and Steel Workers	47-2221
Sales Rep., Wholesale/Mfg, Ex. Tech./Sci. Prod.	41-4012	Structural Metal Fabricators and Fitters	51-2041
Samplers/Inspectors/Testers/Sorters/Weighers	51-9061	Stucco Masons and Plasterers	47-2161
Sawing Mach. Setters/Operators/Tenders, Wood	51-7041	Substance Abuse & Behavioral Dis. Counselors	21-1011
School Bus Drivers	53-3022	Substance Abuse & Mental Health Social Work.	21-1023
School, Clinical, and Counseling Psychologists	19-3031	Subway and Streetcar Operators	53-4041
School, Educational, & Vocational Counselors	21-1012	Surfacing, Paving, & Tamping Equip. Operators	47-2071
School, Family, and Child Social Workers	21-1021	Surgeons	29-1067

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Surgical Technologists	29-2055	Veterinary Technologists and Technicians	29-2056
Survey Researchers	19-3022	Video and Audio Equipment Technicians	27-4011
Surveying and Mapping Technicians	17-3031	Video and Film Editors	27-4032
Surveyors	17-1022	Vocational Education Teachers, Middle School	25-2023
Switchboard Operators, Inc. Answering Service	43-2011	Vocational Education Teachers, Postsecondary	25-1194
T		Vocational Education Teachers, Secondary Sch.	25-2032
Tailors, Dressmakers, and Custom Sewers	51-6052	Vocational, Educational, & School Counselors	21-1012
Tank Car, Truck, and Ship Loaders	53-7121	W	
Tapers	47-2082	Waiters and Waitresses	35-3031
Tapers, Coil Winders, and Finishers	51-2021	Watch Repairers	49-9064
Tax Examiners, Collectors, & Revenue Agents	13-2081	Water/Liquid Waste Treatment Plant/System Op.	51-8031
Tax Preparers	13-2082	Webmaster	15-1081
Taxi Drivers and Chauffeurs	53-3041	Weighers/Inspectors/Testers/Sorters/Samplers	51-9061
Teacher Assistants	25-9041	Weighers/Meas./Checkers/Samplers, Recordkp	43-5111
Teachers, Prim., Secondary, & Adult, All Other	25-3999	Welders, Cutters, Solderers, and Brazers	51-4121
Team Assemblers	51-2092	Welding/Soldering/Brazing Machine Setters, O/T	51-4122
Technical Writers	27-3042	Wellhead Pumpers	53-7073
Telecomm. Equip. Install/Repair, Ex. Line Install	49-2022	Wholesale & Retail Buyers, Ex. Farm Products	13-1022
Telecommunications Line Installers & Repairers	49-9052	Wildlife Biologists and Zoologists	19-1023
Telemarketers	41-9041	Window Trimmers and Merchandise Displayers	27-1026
Telephone Operators	43-2021	Woodworkers, All Other	51-7099
Tellers	43-3071	Woodworking Machine Setters, O/T, Ex. Sawing	51-7042
Tennis Pro and Golf Pro	27-2022	Word Processors and Typists	43-9022
Terrazzo Workers and Finishers	47-2053	Writers and Authors	27-3043
Testers/Inspectors/Sorters/Samplers/Weighers	51-9061	Z	
Textile Cutting Machine Setters/Oper./Tenders	51-6062	Zoologists and Wildlife Biologists	19-1023
Textile Knitting & Weaving Machine Setters, O/T	51-6063		
Textile Winding/Twist/Drawing Out Mach. S/O/T	51-6064		
Textile/Apparel/Furnishings Workers, All Other	51-6099		
Ticket Takers, Ushers, and Lobby Attendants	39-3031		
Tile and Marble Setters	47-2044		
Timekeeping and Payroll Clerks	43-3051		
Tire Repairers and Changers	49-3093		
Title Examiners, Abstractors, and Searchers	23-2093		
Tool and Die Makers	51-4111		
Tool Grinders, Filers, and Sharpeners	51-4194		
Tour Guides and Escorts	39-6021		
Track Switch and Signal Repairers, Railroad	49-9097		
Traffic Technicians	53-6041		
Training and Development Specialists	13-1073		
Trans. Attendants, Ex. Flight Attend./Bag Porters	39-6032		
Trans/Mat.-Mov. Mach & Veh Op, FL Sup/Mgrs	53-1031		
Transit and Railroad Police	33-3052		
Translators and Interpreters	27-3091		
Transportation Inspectors	53-6051		
Transportation Workers, All Other	53-6099		
Transportation, Storage, & Distribution Managers	11-3071		
Travel Agents	41-3041		
Tree Trimmers and Pruners	37-3013		
Trimmers and Cutters, Hand	51-9031		
Truck & Bus Mechanics & Diesel Engine Spec.	49-3031		
Truck Drivers, Heavy and Tractor-Trailer	53-3032		
Truck Drivers, Light or Delivery Services	53-3033		
Truck, Tank Car, and Ship Loaders	53-7121		
Tuners and Musical Instrument Repairers	49-9063		
Typists and Word Processors	43-9022		
U			
Upholsterers	51-6093		
Urban and Regional Planners	19-3051		
Ushers, Lobby Attendants, and Ticket Takers	39-3031		
V			
Vehicle & Mobile Equip. Mech/Install/Repair, AO	49-3099		
Vending/Coin/Amusement Machine Serv/Repair	49-9091		
Vet. Assistants & Laboratory Animal Caretakers	31-9096		
Veterinarians	29-1131		

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(10-2003)*