

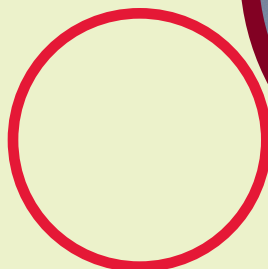
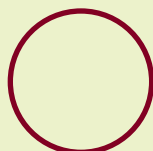
Ohio

Department of
Job and Family Services

TO STRENGTHEN OHIO'S FAMILIES WITH SOLUTIONS TO TEMPORARY CHALLENGES

2016 Ohio Job Outlook

Occupational Projections



Ohio
Occupational Employment Projections by Major Occupational Group, 2006-2016
Intermediate Aggregation

Occupational Title	Employment		Change in Employment		Total Annual Openings
	2006 Annual	2016 Projected	2006 - 2016	Percent	
Total, All Occupations	5,842,100	6,132,800	290,700	5.0%	173,718
Management, Business & Financial Occupations	556,720	581,990	25,270	4.5%	13,886
Management Occupations	310,360	310,830	470	0.2%	7,027
Business & Financial Operations Occupations	246,360	271,160	24,800	10.1%	6,859
Professional & Related Occupations	1,081,030	1,210,800	129,770	12.0%	35,835
Computer & Mathematical Occupations	108,650	127,990	19,340	17.8%	4,504
Architecture & Engineering Occupations	92,610	94,490	1,880	2.0%	2,466
Life, Physical, & Social Science Occupations	38,420	41,600	3,180	8.3%	1,215
Community & Social Services Occupations	93,590	112,850	19,260	20.6%	3,508
Legal Occupations	38,720	42,310	3,590	9.3%	1,060
Education, Training, & Library Occupations	314,720	338,670	23,950	7.6%	9,246
Arts, Design, Entertainment, Sports, & Media Occ.	81,290	85,560	4,270	5.3%	2,496
Healthcare Practitioners & Technical Occupations*	313,030	367,330	54,300	17.3%	11,340
Service Occupations	1,131,940	1,270,250	138,310	12.2%	42,191
Healthcare Support Occupations*	182,430	227,180	44,750	24.5%	6,405
Protective Service Occupations**	113,540	123,530	9,990	8.8%	4,349
Food Preparation & Serving Related Occupations**	470,720	517,750	47,030	10.0%	20,518
Building & Grounds Cleaning & Maintenance Occ.**	202,440	216,360	13,920	6.9%	4,856
Personal Care & Service Occupations**	162,810	185,430	22,620	13.9%	6,063
Sales & Related Occupations	613,280	627,850	14,570	2.4%	21,182
Office & Administrative Support Occupations	917,670	943,850	26,180	2.9%	24,944
Farming, Fishing, & Forestry Occupations	14,770	14,770	0	0.0%	424
Construction & Extraction Occupations	246,120	263,130	17,010	6.9%	9,185
Installation, Maintenance, & Repair Occupations	230,240	237,360	7,120	3.1%	4,474
Production Occupations	597,180	526,700	-70,480	-11.8%	12,201
Transportation & Material Moving Occupations	453,190	456,080	2,890	0.6%	12,171

* Health care

** Service, except health care

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, November 2008.

Ohio's Fastest Growing Occupations*

2006-2016

Occupational Title	Percent Change	Total Annual Openings	Average Wage May 07
Home Health Aides	48.1%	2,408	\$9.64
Network Systems and Data Communications Analysts	47.9%	544	\$34.32
Personal and Home Care Aides	40.8%	1,107	\$9.44
Computer Software Engineers, Applications	38.9%	880	\$37.29
Skin Care Specialists	37.9%	102	\$13.50
Personal Financial Advisors	34.0%	202	\$41.04
Substance Abuse & Behavioral Disorder Counselors	34.0%	134	\$18.52
Social and Human Service Assistants	33.6%	354	\$12.74
Veterinary Technologists and Technicians	33.2%	121	\$13.87
Medical Assistants	32.1%	845	\$12.47
Physical Therapist Assistants	31.8%	205	\$22.64
Veterinarians	30.2%	96	\$43.56
Mental Health Counselors	29.9%	138	\$19.85
Mental Health & Substance Abuse Social Work.	29.8%	265	\$17.15
Appraisers and Assessors of Real Estate	28.5%	140	\$23.52
Manicurists and Pedicurists	27.3%	124	\$11.30
Health Educators	26.1%	61	\$20.63
Occupational Therapist Assistants	25.3%	96	\$22.92
Physical Therapists	24.8%	251	\$34.80
Social and Community Service Managers	24.5%	146	\$27.95
Medical and Public Health Social Workers	24.5%	272	\$20.68
Database Administrators	24.4%	174	\$32.47
Environmental Engineers	24.3%	99	\$37.03
Financial Analysts	23.6%	202	\$33.63
Physician Assistants	23.4%	59	\$38.12
Occupational Therapists	23.0%	159	\$33.95
Cardiovascular Technologists and Technicians	22.7%	62	\$22.98
Registered Nurses	22.6%	4,425	\$27.56
Surgical Technologists	22.4%	182	\$17.36
Fitness Trainers and Aerobics Instructors	22.3%	252	\$12.02

* Occupations with employment of at least 1,000

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, November 2008.

**Occupations in Ohio with the Most Annual Openings
2006-2016**

Changed

Occupational Title	Total Annual Openings	Average Wage May 07
Cashiers	6,630	\$8.44
Waiters and Waitresses	6,370	\$8.12
Retail Salespersons	5,867	\$11.51
Registered Nurses	4,425	\$27.56
Laborers and Freight, Stock, and Material Movers, Hand	4,125	\$11.72
Customer Service Representatives	3,958	\$15.00
Comb. Food Preparation & Serving Workers, inc. Fast Food	3,401	\$7.79
Office Clerks, General	2,734	\$11.93
Janitors & Cleaners, except Maids & Housekeeping Cleaners	2,461	\$11.48
Home Health Aides	2,408	\$9.64
Truck Drivers, Heavy and Tractor-Trailer	2,001	\$18.25
Sales Rep., Wholesale & Mfg, ex. Tech. & Scientific Products	1,876	\$30.12
Team Assemblers	1,850	\$13.29
Nursing Aides, Orderlies, and Attendants	1,801	\$11.20
Bookkeeping, Accounting, and Auditing Clerks	1,795	\$15.15
Food Preparation Workers	1,714	\$9.07
Elementary School Teachers, ex.Special Ed.	1,631	\$51,880*
Child Care Workers	1,618	\$9.93
Licensed Practical & Licensed Vocat. Nurses	1,593	\$18.57
Secondary School Teachers, except Special & Vocational Ed.	1,586	\$53,420
Postsecondary Teachers	1,547	\$66,157*
Executive Secretaries & Administrative Assistants	1,545	\$18.67
Stock Clerks and Order Fillers	1,538	\$10.80
Receptionists and Information Clerks	1,422	\$11.14
General and Operations Managers	1,369	\$47.17
Accountants and Auditors	1,357	\$28.41
Cooks, Restaurant	1,356	\$9.99
First-Line Superv./Mgrs of Retail Sales Workers	1,334	\$18.39
Tellers	1,255	\$10.83
Cooks, Fast Food	1,184	\$8.24

*Annual earnings, typically for a 9 1/2 month school year for elementary and secondary teachers.

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, November 2008.

**Ohio
Occupational Employment* Projections Report, 2006-2016**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage May 07	Education Training Level+
		2006 Annual	2016 Projected	2006 - 2016	Percent			
00-0000	Total, All Occupations	5,842,100	6,132,800	290,700	5.0%	173,718	\$18.58	NA
11-0000	Management Occupations	310,360	310,830	470	0.2%	7,027	\$44.93	NA
11-1011	Chief Executives	16,930	16,310	-620	-3.7%	463	\$71.66	4
11-1021	General and Operations Managers	56,770	54,430	-2,340	-4.1%	1,369	\$47.17	4
11-2011	Advertising and Promotions Managers	1,150	1,160	10	0.9%	27	\$38.91	4
11-2021	Marketing Managers	3,800	4,080	280	7.4%	112	\$49.66	4
11-2022	Sales Managers	9,160	9,580	420	4.6%	246	\$50.46	4
11-2031	Public Relations Managers	950	1,040	90	9.5%	31	\$42.17	4
11-3011	Administrative Services Managers	6,300	6,750	450	7.1%	212	\$38.01	4
11-3021	Computer and Information Systems Managers	8,620	9,440	820	9.5%	221	\$51.23	4
11-3031	Financial Managers	13,930	14,690	760	5.5%	279	\$49.10	4
11-3041	Compensation and Benefits Managers	1,620	1,700	80	4.9%	39	\$42.66	4
11-3042	Training and Development Managers	960	1,080	120	12.5%	30	\$44.63	4
11-3049	Human Resources Managers, All Other	1,760	1,910	150	8.5%	48	\$47.76	4
11-3051	Industrial Production Managers	7,890	6,880	-1,010	-12.8%	272	\$41.65	8
11-3061	Purchasing Managers	2,780	2,680	-100	-3.6%	80	\$38.95	4
11-3071	Transportation, Storage, & Distribution Managers	3,130	3,390	260	8.3%	119	\$40.03	8
11-9011	Farm, Ranch, and Other Agricultural Managers	3,440	3,450	10	0.3%	26	\$26.91	4
11-9012	Farmers and Ranchers	73,180	67,040	-6,140	-8.4%	657	NA	9
11-9021	Construction Managers	11,290	12,860	1,570	13.9%	332	\$44.80	5
11-9031	Education Admin., Pre & Child Care Center/Prog.	2,040	2,330	290	14.2%	86	\$19.21	4
11-9032	Education Admin., Elem. & Secondary School	10,900	11,160	260	2.4%	330	\$88,550++	4
11-9033	Education Administrators, Postsecondary	2,650	2,880	230	8.7%	97	\$48.38	4
11-9039	Education Administrators, All Other	440	460	20	4.5%	14	\$36.28	4
11-9041	Engineering Managers	6,350	6,350	0	0.0%	129	\$49.04	4
11-9051	Food Service Managers	16,160	16,590	430	2.7%	425	\$21.22	8
11-9061	Funeral Directors	1,550	1,690	140	9.0%	51	\$28.92	6
11-9081	Lodging Managers	1,730	1,780	50	2.9%	43	\$23.66	8
11-9111	Medical and Health Services Managers	10,910	12,550	1,640	15.0%	368	\$37.40	4
11-9121	Natural Sciences Managers	880	930	50	5.7%	24	\$46.08	4
11-9131	Postmasters and Mail Superintendents	950	930	-20	-2.1%	23	\$28.77	8
11-9141	Property, Real Estate & Community Assn Mgrs	2,870	3,210	340	11.8%	74	\$30.86	5
11-9151	Social and Community Service Managers	3,350	4,170	820	24.5%	146	\$27.95	5
11-9199	Managers, All Other	25,070	26,520	1,450	5.8%	644	\$46.08	8
13-0000	Business and Financial Operations Occupations	246,360	271,160	24,800	10.1%	6,859	\$27.61	NA
13-1011	Agents/Business Mgrs. Artist/Performer/Athlete	620	670	50	8.1%	22	\$43.52	4
13-1021	Purchasing Agents and Buyers, Farm Products	370	360	-10	-2.7%	5	\$24.89	9
13-1022	Wholesale & Retail Buyers, ex. Farm Products	4,410	4,230	-180	-4.1%	99	\$23.31	9
13-1023	Purchasing Agents, ex. Whole., Retail, & Farm	12,270	11,470	-800	-6.5%	262	\$26.49	9
13-1031	Claims Adjusters, Examiners and Investigators	9,520	10,160	640	6.7%	306	\$27.43	9
13-1032	Insurance Appraisers, Auto Damage	210	230	20	9.5%	7	\$24.66	7
13-1041	Compl. Off., ex. Agric, Con, Hlth/Safety, & Trans.	6,310	6,390	80	1.3%	82	\$25.22	9
13-1051	Cost Estimators	10,770	12,360	1,590	14.8%	379	\$27.92	5
13-1061	Emergency Management Specialists	330	340	10	3.0%	5	\$28.90	8
13-1071	Employment, Recruitment & Placement Specialists	5,790	6,640	850	14.7%	210	\$23.31	5
13-1072	Comp., Benefits & Job Analysis Specialists	3,780	4,200	420	11.1%	123	\$26.46	5
13-1073	Training and Development Specialists	7,860	8,930	1,070	13.6%	276	\$24.03	4
13-1079	Human Resource/Training/Labor Rel. Spec., AO	10,880	11,910	1,030	9.5%	337	\$23.59	5
13-1081	Logisticians	2,430	2,630	200	8.2%	56	\$32.43	5
13-1111	Management Analysts	23,600	26,630	3,030	12.8%	706	\$36.75	4
13-1121	Meeting and Convention Planners	870	930	60	6.9%	23	\$19.44	5
13-1199	Business Operations Specialists, All Other	48,400	55,540	7,140	14.8%	1,232	\$26.01	5
13-2011	Accountants and Auditors	49,080	54,020	4,940	10.1%	1,357	\$28.41	5
13-2021	Appraisers and Assessors of Real Estate	2,880	3,700	820	28.5%	140	\$23.52	5
13-2031	Budget Analysts	1,730	1,730	0	0.0%	40	\$30.72	5
13-2041	Credit Analysts	2,210	2,090	-120	-5.4%	85	\$25.56	5

*Occupations with 100 or more workers.

**See last page.

+See last page for Education and Training Levels.

++Annual earnings, typically 9 1/2 months for school teachers.

**Ohio
Occupational Employment* Projections Report, 2006-2016**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage May 07	Education Training Level+
		2006 Annual	2016 Projected	2006 - 2016	Percent			
13-2051	Financial Analysts	6,920	8,550	1,630	23.6%	202	\$33.63	5
13-2052	Personal Financial Advisors	4,700	6,300	1,600	34.0%	202	\$41.04	5
13-2053	Insurance Underwriters	4,640	4,960	320	6.9%	156	\$27.71	5
13-2061	Financial Examiners	1,280	1,300	20	1.6%	24	\$33.15	5
13-2071	Loan Counselors	1,070	1,070	0	0.0%	12	\$18.54	5
13-2072	Loan Officers	11,650	12,610	960	8.2%	221	\$24.92	5
13-2081	Tax Examiners, Collectors & Revenue Agents	2,200	2,130	-70	-3.2%	56	\$27.10	5
13-2082	Tax Preparers	3,770	3,170	-600	-15.9%	66	\$12.96	10
13-2099	Financial Specialists, All Other	5,840	5,930	90	1.5%	165	\$29.27	5
15-0000	Computer and Mathematical Occupations	108,650	127,990	19,340	17.8%	4,504	\$31.58	NA
15-1011	Computer and Information Scientists, Research	1,570	1,750	180	11.5%	60	\$45.84	2
15-1021	Computer Programmers	13,910	12,430	-1,480	-10.6%	290	\$30.70	5
15-1031	Computer Software Engineers, Applications	16,440	22,840	6,400	38.9%	880	\$37.29	5
15-1032	Comp. Software Engineers, Systems Software	7,330	8,920	1,590	21.7%	266	\$39.17	5
15-1041	Computer Support Specialists	16,970	18,250	1,280	7.5%	652	\$19.70	6
15-1051	Computer Systems Analysts	15,490	18,680	3,190	20.6%	730	\$34.21	5
15-1061	Database Administrators	4,960	6,170	1,210	24.4%	174	\$32.47	5
15-1071	Network and Computer Systems Administrators	12,020	14,510	2,490	20.7%	523	\$29.98	5
15-1081	Network Systems & Data Comm. Analysts	7,970	11,790	3,820	47.9%	544	\$34.32	5
15-1099	Computer Specialists, All Other	7,810	8,040	230	2.9%	230	\$33.32	6
15-2011	Actuaries	760	960	200	26.3%	48	\$39.91	4
15-2031	Operations Research Analysts	1,200	1,200	0	0.0%	24	\$36.05	3
15-2041	Statisticians	570	590	20	3.5%	20	\$31.18	3
17-0000	Architecture and Engineering Occupations	92,610	94,490	1,880	2.0%	2,466	\$30.91	NA
17-1011	Architects, except Landscape and Naval	3,660	3,840	180	4.9%	87	\$36.02	5
17-1012	Landscape Architects	710	750	40	5.6%	17	\$25.07	5
17-1021	Cartographers and Photogrammetrists	210	230	20	9.5%	9	\$21.37	5
17-1022	Surveyors	1,500	1,670	170	11.3%	63	\$27.84	5
17-2011	Aerospace Engineers	4,330	4,450	120	2.8%	98	\$43.02	5
17-2021	Agricultural Engineers	110	110	0	0.0%	2	\$33.08	5
17-2031	Biomedical Engineers	270	320	50	18.5%	11	\$34.18	5
17-2041	Chemical Engineers	1,530	1,570	40	2.6%	43	\$39.57	5
17-2051	Civil Engineers	5,990	6,460	470	7.8%	205	\$32.88	5
17-2061	Computer Hardware Engineers	650	660	10	1.5%	21	\$39.30	5
17-2071	Electrical Engineers	4,440	4,500	60	1.4%	109	\$33.59	5
17-2072	Electronics Engineers, except Computer	3,390	3,280	-110	-3.2%	79	\$39.70	5
17-2081	Environmental Engineers	1,850	2,300	450	24.3%	99	\$37.03	5
17-2111	Health & Safety Engineers, ex. Mining Safety	820	840	20	2.4%	22	\$33.81	5
17-2112	Industrial Engineers	12,990	14,670	1,680	12.9%	481	\$33.87	5
17-2131	Materials Engineers	1,590	1,650	60	3.8%	43	\$38.89	5
17-2141	Mechanical Engineers	11,350	10,630	-720	-6.3%	246	\$31.97	5
17-2171	Petroleum Engineers	310	350	40	12.9%	12	\$42.15	5
17-2199	Engineers, All Other	5,070	4,850	-220	-4.3%	60	\$39.04	5
17-3011	Architectural and Civil Drafters	3,010	2,820	-190	-6.3%	86	\$20.82	7
17-3012	Electrical and Electronics Drafters	1,060	1,060	0	0.0%	30	\$20.95	7
17-3013	Mechanical Drafters	3,760	3,590	-170	-4.5%	107	\$19.70	7
17-3019	Drafters, All Other	650	680	30	4.6%	22	\$20.97	7
17-3021	Aerospace Engineering & Operations Tech.	470	490	20	4.3%	11	\$23.92	6
17-3022	Civil Engineering Technicians	1,980	2,040	60	3.0%	45	\$21.25	6
17-3023	Electrical & Electronic Engineering Technicians	4,750	4,730	-20	-0.4%	93	\$23.55	6
17-3024	Electro-Mechanical Technicians	600	590	-10	-1.7%	12	\$23.56	6
17-3025	Environmental Engineering Technicians	1,520	1,740	220	14.5%	52	\$21.39	6
17-3026	Industrial Engineering Technicians	3,390	3,390	0	0.0%	66	\$22.89	6
17-3027	Mechanical Engineering Technicians	3,280	3,370	90	2.7%	73	\$22.20	6
17-3029	Engineering Technicians, Exc. Drafters, AO	4,900	4,220	-680	-13.9%	96	\$26.00	6
17-3031	Surveying and Mapping Technicians	1,890	2,040	150	7.9%	51	\$17.22	10

*Occupations with 100 or more workers.

**See last page.

**Ohio
Occupational Employment* Projections Report, 2006-2016**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage May 07	Education Training Level+
		2006 Annual	2016 Projected	2006 - 2016	Percent			
19-0000	Life, Physical, and Social Science Occupations	38,420	41,600	3,180	8.3%	1,215	\$28.30	NA
19-1012	Food Scientists and Technologists	630	710	80	12.7%	27	\$33.19	5
19-1013	Soil and Plant Scientists	220	230	10	4.5%	8	\$26.25	5
19-1021	Biochemists and Biophysicists	370	420	50	13.5%	13	\$28.21	2
19-1022	Microbiologists	360	380	20	5.6%	9	\$31.15	2
19-1023	Zoologists and Wildlife Biologists	320	320	0	0.0%	7	\$21.96	5
19-1029	Biological Scientists, All Other	230	220	-10	-4.3%	5	\$29.94	2
19-1031	Conservation Scientists	320	330	10	3.1%	11	\$27.04	5
19-1032	Foresters	160	170	10	6.3%	6	\$23.88	5
19-1041	Epidemiologists	100	110	10	10.0%	4	\$27.96	3
19-1042	Medical Scientists, except Epidemiologists	1,560	1,780	220	14.1%	70	\$29.14	2
19-1099	Life Scientists, All Other	270	310	40	14.8%	13	\$31.50	5
19-2012	Physicists	890	990	100	11.2%	32	\$44.79	2
19-2021	Atmospheric and Space Scientists	160	170	10	6.3%	5	\$41.04	5
19-2031	Chemists	3,490	3,540	50	1.4%	97	\$30.17	5
19-2032	Materials Scientists	760	820	60	7.9%	26	\$36.22	5
19-2041	Environmental Scientists/Specialists, inc. Health	2,720	3,070	350	12.9%	105	\$28.93	3
19-2042	Geoscientists, ex. Hydrologists & Geographers	480	540	60	12.5%	18	\$30.41	3
19-2043	Hydrologists	140	160	20	14.3%	6	\$33.61	3
19-2099	Physical Scientists, All Other	720	750	30	4.2%	17	\$38.67	5
19-3011	Economists	170	190	20	11.8%	7	\$34.87	3
19-3021	Market Research Analysts	6,970	7,890	920	13.2%	139	\$30.66	5
19-3022	Survey Researchers	1,280	1,380	100	7.8%	19	\$19.45	5
19-3031	Clinical, Counseling and School Psychologists	4,600	5,020	420	9.1%	113	\$38.23	2
19-3032	Industrial-Organizational Psychologists	150	170	20	13.3%	4	\$32.56	3
19-3039	Psychologists, All Other	320	300	-20	-6.3%	5	\$34.20	3
19-3051	Urban and Regional Planners	550	610	60	10.9%	22	\$27.22	3
19-3099	Social Scientists & Related Workers, All Other	790	740	-50	-6.3%	25	\$31.80	3
19-4011	Agricultural and Food Science Technicians	480	500	20	4.2%	10	\$18.49	6
19-4021	Biological Technicians	2,350	2,710	360	15.3%	120	\$16.70	5
19-4031	Chemical Technicians	3,110	3,010	-100	-3.2%	104	\$20.05	6
19-4041	Geological and Petroleum Technicians	110	130	20	18.2%	6	\$19.72	6
19-4051	Nuclear Technicians	400	400	0	0.0%	14	\$26.96	6
19-4061	Social Science Research Assistants	370	390	20	5.4%	16	\$16.54	6
19-4091	Environ. Science & Protection Tech., inc. Health	1,080	1,280	200	18.5%	61	\$17.81	6
19-4093	Forest and Conservation Technicians	150	140	-10	-6.7%	6	\$17.15	6
19-4099	Life, Physical, & Social Science Tech., All Other	1,210	1,250	40	3.3%	50	\$20.49	6
21-0000	Community and Social Services Occupations	93,590	112,850	19,260	20.6%	3,508	\$19.49	NA
21-1011	Substance Abuse & Behavioral Dis. Counselors	2,470	3,310	840	34.0%	134	\$18.52	5
21-1012	Educational, Vocational, & School Counselors	8,320	8,850	530	6.4%	218	\$28.04	3
21-1014	Mental Health Counselors	2,780	3,610	830	29.9%	138	\$19.85	3
21-1015	Rehabilitation Counselors	3,740	4,170	430	11.5%	117	\$19.25	3
21-1019	Counselors, All Other	920	980	60	6.5%	24	\$20.67	3
21-1021	Child, Family and School Social Workers	8,200	9,760	1,560	19.0%	330	\$17.08	5
21-1022	Medical and Public Health Social Workers	5,970	7,430	1,460	24.5%	272	\$20.68	5
21-1023	Mental Health & Substance Abuse Social Work.	5,200	6,750	1,550	29.8%	265	\$17.15	3
21-1029	Social Workers, All Other	4,170	4,670	500	12.0%	138	\$21.77	5
21-1091	Health Educators	1,610	2,030	420	26.1%	61	\$20.63	5
21-1092	Probation Officers & Correct. Treatment Spec.	2,320	2,460	140	6.0%	41	\$20.89	5
21-1093	Social and Human Service Assistants	7,830	10,460	2,630	33.6%	354	\$12.74	10
21-1099	Community & Social Service Specialists, All Other	4,560	6,040	1,480	32.5%	201	\$17.86	5
21-2011	Clergy	26,860	31,930	5,070	18.9%	867	NA	3
21-2021	Directors, Religious Activities and Education	6,570	7,860	1,290	19.6%	280	\$19.32	5
21-2099	Religious Workers, All Other	1,840	2,220	380	20.7%	58	\$13.82	5
23-0000	Legal Occupations	38,720	42,310	3,590	9.3%	1,060	\$34.83	NA
23-1011	Lawyers	22,570	24,710	2,140	9.5%	642	\$48.42	1

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**Ohio
Occupational Employment* Projections Report, 2006-2016**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage May 07	Education Training Level+
		2006 Annual	2016 Projected	2006 - 2016	Percent			
23-1022	Arbitrators, Mediators, and Conciliators	180	180	0	0.0%	3	\$27.78	4
23-1023	Judges, Magistrate Judges and Magistrates	1,190	1,300	110	9.2%	34	\$31.31	4
23-2011	Paralegals and Legal Assistants	6,320	7,560	1,240	19.6%	207	\$21.04	6
23-2091	Court Reporters	890	1,080	190	21.3%	34	\$21.11	7
23-2092	Law Clerks	1,150	1,120	-30	-2.6%	19	\$16.45	5
23-2093	Title Examiners, Abstractors and Searchers	2,330	2,240	-90	-3.9%	39	\$17.48	10
23-2099	Legal Support Workers, All Other	2,700	2,700	0	0.0%	45	\$20.64	10
25-0000	Education, Training, and Library Occupations	314,720	338,670	23,950	7.6%	9,246	\$23.73	NA
25-1000	Postsecondary Teachers	45,900	53,690	7,790	17.0%	1,547	\$66,157++	NA
25-2011	Preschool Teachers, except Special Education	15,570	18,280	2,710	17.4%	528	\$10.45	7
25-2012	Kindergarten Teachers, ex. Special Education	5,950	6,600	650	10.9%	163	\$49,430++	5
25-2021	Elementary School Teachers, ex. Special Ed.	54,320	58,770	4,450	8.2%	1,631	\$51,880++	5
25-2022	Middle School Teachers, ex. Special & Voc. Ed.	30,100	31,830	1,730	5.7%	830	\$53,290++	5
25-2023	Vocational Education Teachers, Middle School	570	510	-60	-10.5%	12	\$56,970++	4
25-2031	Secondary Sch. Teachers, ex. Spec. & Voc. Ed.	52,540	52,750	210	0.4%	1,586	\$53,420++	5
25-2032	Vocational Education Teachers, Secondary Sch.	6,890	6,240	-650	-9.4%	205	\$57,030++	4
25-2041	Special Ed. Teachers, Pre./Kinder./Elem. Sch.	8,470	9,630	1,160	13.7%	304	\$50,780++	5
25-2042	Special Education Teachers, Middle School	6,220	6,870	650	10.5%	203	\$53,350++	5
25-2043	Special Education Teachers, Secondary School	9,990	10,280	290	2.9%	251	\$52,230++	5
25-3011	Adult Literacy, Remedial Ed., & GED Teachers	1,720	1,850	130	7.6%	31	\$23.10	5
25-3021	Self-Enrichment Education Teachers	6,600	7,960	1,360	20.6%	207	\$16.31	8
25-3099	Teachers and Instructors, All Other	13,850	14,460	610	4.4%	209	\$47,890++	5
25-4011	Archivists	140	150	10	7.1%	7	\$18.90	3
25-4012	Curators	270	290	20	7.4%	14	\$22.87	3
25-4013	Museum Technicians and Conservators	280	280	0	0.0%	12	\$16.37	5
25-9011	Audio-Visual Collections Specialists	610	500	-110	-18.0%	8	\$25.41	5
25-9031	Instructional Coordinators	6,110	7,150	1,040	17.0%	188	\$29.64	3
25-9041	Teacher Assistants	30,280	31,720	1,440	4.8%	637	\$25,960++	11
25-9099	Education, Training and Library Workers, AO	3,090	3,240	150	4.9%	57	\$15.36	5
27-0000	Arts, Design, Entertainment, Sports, & Media Occ.	81,290	85,560	4,270	5.3%	2,496	\$20.07	NA
27-1011	Art Directors	2,560	2,690	130	5.1%	73	\$38.96	4
27-1012	Craft Artists	250	230	-20	-8.0%	6	\$10.93	9
27-1013	Fine Artists, inc. Painters, Sculptors & Illustrators	650	600	-50	-7.7%	15	\$19.19	9
27-1014	Multi-Media Artists and Animators	2,070	2,460	390	18.8%	87	\$23.14	5
27-1019	Artists and Related Workers, All Other	360	340	-20	-5.6%	8	\$19.12	9
27-1021	Commercial and Industrial Designers	2,620	2,710	90	3.4%	79	\$24.93	5
27-1022	Fashion Designers	110	130	20	18.2%	5	\$26.65	6
27-1023	Floral Designers	3,370	2,830	-540	-16.0%	90	\$10.19	10
27-1024	Graphic Designers	10,560	11,050	490	4.6%	330	\$19.70	5
27-1025	Interior Designers	2,630	2,820	190	7.2%	89	\$19.24	6
27-1026	Merchandise Displayers and Window Trimmers	2,250	2,290	40	1.8%	64	\$11.64	10
27-1027	Set and Exhibit Designers	270	270	0	0.0%	7	\$23.31	5
27-1029	Designers, All Other	1,010	1,040	30	3.0%	30	\$19.31	5
27-2012	Producers and Directors	1,980	2,080	100	5.1%	69	\$28.01	4
27-2021	Athletes and Sports Competitors	560	670	110	19.6%	25	\$50,950++	9
27-2022	Coaches and Scouts	6,860	7,640	780	11.4%	254	\$28,720++	9
27-2023	Umpires, Referees and Other Sports Officials	280	340	60	21.4%	13	\$33,160++	9
27-2031	Dancers	230	270	40	17.4%	17	\$12.89	9
27-2041	Music Directors and Composers	2,110	2,420	310	14.7%	74	\$39.65	4
27-2042	Musicians and Singers	8,320	9,300	980	11.8%	267	\$29.15	9
27-2099	Entertain. & Perform., Sports & Rel. Work., AO	330	380	50	15.2%	15	\$13.26	9
27-3011	Radio and Television Announcers	1,980	1,790	-190	-9.6%	67	\$14.42	9
27-3012	Public Address System and Other Announcers	280	240	-40	-14.3%	9	\$13.95	9
27-3021	Broadcast News Analysts	300	310	10	3.3%	10	\$39.13	4
27-3022	Reporters and Correspondents	2,480	2,380	-100	-4.0%	78	\$19.90	5
27-3031	Public Relations Specialists	6,740	7,470	730	10.8%	124	\$25.83	5

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27-3041	Editors	3,660	3,420	-240	-6.6%	109	\$22.90	5
27-3042	Technical Writers	1,490	1,590	100	6.7%	55	\$26.78	5
27-3043	Writers and Authors	3,310	3,380	70	2.1%	67	\$23.77	5
27-3091	Interpreters and Translators	870	1,010	140	16.1%	35	\$20.38	9
27-3099	Media and Communication Workers, All Other	830	860	30	3.6%	23	\$17.32	9
27-4011	Audio and Video Equipment Technicians	760	890	130	17.1%	38	\$17.12	9
27-4012	Broadcast Technicians	1,280	1,400	120	9.4%	54	\$17.56	6
27-4014	Sound Engineering Technicians	130	130	0	0.0%	4	\$18.33	7
27-4021	Photographers	5,790	6,040	250	4.3%	153	\$12.68	9
27-4031	Camera Operators, TV, Video & Motion Picture	660	680	20	3.0%	14	\$23.10	7
27-4032	Film and Video Editors	410	430	20	4.9%	10	\$17.85	5
27-4099	Media & Communication Equip. Workers, AO	320	330	10	3.1%	9	\$22.48	10
29-0000	Healthcare Practitioners and Technical Occupations	313,030	367,330	54,300	17.3%	11,340	\$30.22	NA
29-1011	Chiropractors	2,070	2,380	310	15.0%	54	\$50.88	1
29-1021	Dentists, General	4,820	4,940	120	2.5%	106	\$76.14	1
29-1022	Oral and Maxillofacial Surgeons	210	210	0	0.0%	4	NA	1
29-1023	Orthodontists	450	460	10	2.2%	10	\$94.82	1
29-1029	Dentists, All Other Specialists	140	140	0	0.0%	3	\$75.69	1
29-1031	Dietitians and Nutritionists	2,630	2,780	150	5.7%	82	\$23.64	5
29-1041	Optometrists	1,390	1,540	150	10.8%	39	\$51.42	1
29-1051	Pharmacists	10,010	11,540	1,530	15.3%	326	\$46.04	1
29-1061	Anesthesiologists	1,120	1,310	190	17.0%	39	NA	1
29-1062	Family and General Practitioners	6,240	6,850	610	9.8%	174	\$77.33	1
29-1063	Internists, General	3,240	3,520	280	8.6%	86	\$73.59	1
29-1064	Obstetricians and Gynecologists	1,410	1,650	240	17.0%	49	\$85.94	1
29-1065	Pediatricians, General	2,230	2,440	210	9.4%	61	\$70.87	1
29-1066	Psychiatrists	810	900	90	11.1%	24	\$74.92	1
29-1067	Surgeons	2,430	2,620	190	7.8%	63	\$96.52	1
29-1069	Physicians and Surgeons, All Other	11,120	12,600	1,480	13.3%	349	\$83.26	1
29-1071	Physician Assistants	1,580	1,950	370	23.4%	59	\$38.12	3
29-1081	Podiatrists	660	720	60	9.1%	28	\$53.74	1
29-1111	Registered Nurses	113,050	138,640	25,590	22.6%	4,425	\$27.56	6
29-1121	Audiologists	620	630	10	1.6%	8	\$27.37	1
29-1122	Occupational Therapists	4,210	5,180	970	23.0%	159	\$33.95	3
29-1123	Physical Therapists	6,820	8,510	1,690	24.8%	251	\$34.80	3
29-1124	Radiation Therapists	500	610	110	22.0%	18	\$30.66	6
29-1125	Recreational Therapists	940	880	-60	-6.4%	14	\$19.08	5
29-1126	Respiratory Therapists	5,350	6,540	1,190	22.2%	198	\$22.76	6
29-1127	Speech-Language Pathologists	5,040	5,410	370	7.3%	134	\$35.57	3
29-1129	Therapists, All Other	1,010	1,100	90	8.9%	21	\$24.80	5
29-1131	Veterinarians	1,920	2,500	580	30.2%	96	\$43.56	1
29-1199	Health Diagnosing & Treating Practitioners, AO	1,370	1,470	100	7.3%	33	\$36.46	5
29-2011	Medical and Clinical Laboratory Technologists	6,580	7,290	710	10.8%	170	\$23.65	5
29-2012	Medical and Clinical Laboratory Technicians	5,280	6,030	750	14.2%	155	\$17.03	6
29-2021	Dental Hygienists	6,320	7,640	1,320	20.9%	253	\$29.45	6
29-2031	Cardiovascular Technologists and Technicians	1,720	2,110	390	22.7%	62	\$22.98	6
29-2032	Diagnostic Medical Sonographers	1,890	2,210	320	16.9%	58	\$27.18	6
29-2033	Nuclear Medicine Technologists	920	1,050	130	14.1%	26	\$29.83	6
29-2034	Radiologic Technologists and Technicians	9,740	11,040	1,300	13.3%	262	\$22.87	6
29-2041	Emergency Medical Technicians & Paramedics	10,150	11,520	1,370	13.5%	253	\$12.98	7
29-2051	Dietetic Technicians	600	660	60	10.0%	24	\$16.19	7
29-2052	Pharmacy Technicians	10,840	13,220	2,380	22.0%	569	\$12.01	10
29-2053	Psychiatric Technicians	1,500	1,410	-90	-6.0%	46	\$15.53	7
29-2054	Respiratory Therapy Technicians	470	460	-10	-2.1%	14	\$18.67	6
29-2055	Surgical Technologists	3,440	4,210	770	22.4%	182	\$17.36	7
29-2056	Veterinary Technologists and Technicians	1,900	2,530	630	33.2%	121	\$13.87	6

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29-2061	Licensed Practical & Licensed Vocat. Nurses	38,690	44,070	5,380	13.9%	1,593	\$18.57	7
29-2071	Medical Records & Health Info. Technicians	6,600	7,550	950	14.4%	274	\$14.98	6
29-2081	Opticians, Dispensing	3,200	3,170	-30	-0.9%	102	\$15.74	9
29-2091	Orthotists and Prosthetists	150	160	10	6.7%	2	\$29.53	5
29-2099	Health Technologists & Technicians, All Other	5,080	5,850	770	15.2%	117	\$17.63	7
29-9011	Occupational Health and Safety Specialists	1,920	2,060	140	7.3%	51	\$32.54	5
29-9012	Occupational Health and Safety Technicians	500	520	20	4.0%	12	\$22.76	5
29-9091	Athletic Trainers	710	870	160	22.5%	30	\$40,830++	5
29-9099	Healthcare Practitioners & Technical Workers, AO	1,390	1,590	200	14.4%	46	\$19.60	5
31-0000	Healthcare Support Occupations	182,430	227,180	44,750	24.5%	6,415	\$11.75	NA
31-1011	Home Health Aides	42,200	62,500	20,300	48.1%	2,408	\$9.64	11
31-1012	Nursing Aides, Orderlies, and Attendants	77,140	88,250	11,110	14.4%	1,801	\$11.20	7
31-1013	Psychiatric Aides	800	810	10	1.3%	8	\$12.19	11
31-2011	Occupational Therapist Assistants	2,370	2,970	600	25.3%	96	\$22.92	6
31-2012	Occupational Therapist Aides	120	140	20	16.7%	4	\$12.37	11
31-2021	Physical Therapist Assistants	4,590	6,050	1,460	31.8%	205	\$22.64	6
31-2022	Physical Therapist Aides	1,450	1,760	310	21.4%	50	\$11.56	11
31-9011	Massage Therapists	3,970	4,740	770	19.4%	122	\$15.04	7
31-9091	Dental Assistants	10,040	12,130	2,090	20.8%	383	\$14.93	10
31-9092	Medical Assistants	19,000	25,090	6,090	32.1%	845	\$12.47	10
31-9093	Medical Equipment Preparers	2,140	2,410	270	12.6%	54	\$12.96	11
31-9094	Medical Transcriptionists	4,000	4,490	490	12.3%	99	\$14.68	7
31-9095	Pharmacy Aides	2,100	1,740	-360	-17.1%	26	\$9.88	11
31-9096	Vet. Assistants & Laboratory Animal Caretakers	2,950	3,260	310	10.5%	68	\$10.90	11
31-9099	Healthcare Support Workers, All Other	9,560	10,840	1,280	13.4%	247	\$12.96	11
33-0000	Protective Service Occupations	113,540	123,530	9,990	8.8%	4,349	\$17.73	NA
33-1012	First-Line Superv./Mgrs of Police & Detectives	3,940	4,250	310	7.9%	154	\$31.09	8
33-1021	FL Sup/Mgrs of Fire Fighting & Prev. Workers	2,790	3,040	250	9.0%	112	\$27.95	8
33-1099	First-Line Sup/Mgrs, Protective Serv. Work., AO	1,370	1,460	90	6.6%	31	\$21.51	8
33-2011	Fire Fighters	19,830	21,630	1,800	9.1%	903	\$19.08	9
33-2021	Fire Inspectors and Investigators	520	550	30	5.8%	15	\$23.41	8
33-3011	Bailiffs	1,240	1,350	110	8.9%	39	\$17.67	10
33-3021	Detectives and Criminal Investigators	2,130	2,380	250	11.7%	72	\$28.67	8
33-3041	Parking Enforcement Workers	150	170	20	13.3%	6	\$15.29	11
33-3051	Police and Sheriff's Patrol Officers	24,700	26,640	1,940	7.9%	854	\$22.55	9
33-3052	Transit and Railroad Police	240	250	10	4.2%	7	\$21.42	9
33-9011	Animal Control Workers	340	360	20	5.9%	9	\$14.34	10
33-9021	Private Detectives and Investigators	1,270	1,390	120	9.4%	37	\$19.06	8
33-9032	Security Guards	31,390	33,680	2,290	7.3%	866	\$11.53	11
33-9091	Crossing Guards	2,460	2,430	-30	-1.2%	71	\$10.05	11
33-9092	Lifeguards/Ski Patrol/Rec. Prot. Serv. Wrks	5,850	6,860	1,010	17.3%	534	\$8.21	11
33-9099	Protective Service Workers, All Other	2,080	2,220	140	6.7%	168	\$16.10	11
35-0000	Food Preparation and Serving Related Occupations	470,720	517,750	47,030	10.0%	20,518	\$8.91	NA
35-1011	Chefs and Head Cooks	3,270	3,380	110	3.4%	52	\$20.14	8
35-1012	FL Sup/Mgrs of Food Prep. & Serving Workers	31,470	34,030	2,560	8.1%	493	\$14.03	8
35-2011	Cooks, Fast Food	39,090	40,340	1,250	3.2%	1,184	\$8.24	11
35-2012	Cooks, Institution and Cafeteria	24,260	24,260	0	0.0%	657	\$12.04	10
35-2014	Cooks, Restaurant	33,600	38,060	4,460	13.3%	1,356	\$9.99	9
35-2015	Cooks, Short Order	7,860	8,190	330	4.2%	246	\$9.00	11
35-2019	Cooks, All Other	1,030	970	-60	-5.8%	28	\$10.03	10
35-2021	Food Preparation Workers	34,670	39,780	5,110	14.7%	1,714	\$9.07	11
35-3011	Bartenders	24,490	26,430	1,940	7.9%	1,085	\$8.08	11
35-3021	Comb. Food Prep. & Serv. Work, inc. Fast Food	106,720	120,490	13,770	12.9%	3,401	\$7.79	11
35-3022	Counter Attend., Caf�/Food Concess/Coffee Sh.	10,320	10,810	490	4.7%	765	\$8.50	11
35-3031	Waiters and Waitresses	96,830	107,930	11,100	11.5%	6,370	\$8.12	11
35-3041	Food Servers, Nonrestaurant	7,860	8,660	800	10.2%	201	\$9.07	11

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35-9011	Dining Room & Cafeteria Attend. & Bar Helpers	13,950	15,340	1,390	10.0%	723	\$7.92	11
35-9021	Dishwashers	18,090	19,960	1,870	10.3%	925	\$8.15	11
35-9031	Hosts & Hostesses, Rest./Lounge/Coffee Shop	14,700	16,490	1,790	12.2%	1,183	\$8.04	11
35-9099	Food Prep. & Serving Related Workers, AO	2,410	2,560	150	6.2%	133	\$9.00	11
37-0000	Building & Grounds Cleaning & Maintenance Occup.	202,440	216,360	13,920	6.9%	4,856	\$11.43	NA
37-1011	FL Sup/Mgrs of Housekping & Janitorial Workers	8,190	8,800	610	7.4%	182	\$16.41	8
37-1012	FL Sup/Mgrs of Lndscap./Lawn Ser/Groundskp	6,480	7,250	770	11.9%	121	\$19.21	8
37-2011	Janitors & Cleaners, ex. Maids/Hsekping Clean.	92,990	99,800	6,810	7.3%	2,461	\$11.48	11
37-2012	Maids and Housekeeping Cleaners	44,240	44,650	410	0.9%	874	\$9.21	11
37-2019	Building Cleaning Workers, All Other	430	450	20	4.7%	10	\$13.73	11
37-2021	Pest Control Workers	1,390	1,460	70	5.0%	41	\$14.62	10
37-3011	Landscaping and Groundskeeping Workers	43,220	48,080	4,860	11.2%	1,056	\$11.17	11
37-3012	Pesticide Handlers/Sprayers/Applicators, Veg.	1,740	1,830	90	5.2%	32	\$12.81	10
37-3013	Tree Trimmers and Pruners	1,240	1,280	40	3.2%	20	\$14.50	11
39-0000	Personal Care and Service Occupations	162,810	185,430	22,620	13.9%	6,063	\$10.76	NA
39-1021	First-Line Sup/Mgrs of Personal Serv. Workers	7,160	8,010	850	11.9%	240	\$16.87	8
39-2021	Nonfarm Animal Caretakers	5,050	5,650	600	11.9%	141	\$9.70	11
39-3021	Motion Picture Projectionists	190	170	-20	-10.5%	9	\$11.08	11
39-3031	Ushers, Lobby Attendants and Ticket Takers	2,840	3,140	300	10.6%	229	\$8.14	11
39-3091	Amusement and Recreation Attendants	8,220	9,670	1,450	17.6%	551	\$8.52	11
39-3093	Locker Room/Coatroom/Dressing Rm Attendants	720	840	120	16.7%	47	\$9.11	11
39-4011	Embalmers	410	460	50	12.2%	15	\$19.40	7
39-4021	Funeral Attendants	2,070	2,280	210	10.1%	70	\$10.40	11
39-5012	Hairdressers, Hairstylists and Cosmetologists	31,670	35,340	3,670	11.6%	745	\$11.23	7
39-5092	Manicurists and Pedicurists	3,300	4,200	900	27.3%	124	\$11.30	7
39-5093	Shampooers	600	680	80	13.3%	14	\$7.85	11
39-5094	Skin Care Specialists	2,110	2,910	800	37.9%	102	\$13.50	7
39-6011	Baggage Porters and Bellhops	850	870	20	2.4%	13	\$10.37	11
39-6012	Concierges	150	160	10	6.7%	3	\$12.61	10
39-6021	Tour Guides and Escorts	500	480	-20	-4.0%	20	\$10.29	10
39-6031	Flight Attendants	1,080	1,200	120	11.1%	31	NA	9
39-6032	Trans. Attendants, ex. Flight Attend./Bag Porters	650	670	20	3.1%	13	\$9.45	11
39-9011	Child Care Workers	45,260	48,440	3,180	7.0%	1,618	\$9.93	11
39-9021	Personal and Home Care Aides	19,170	26,990	7,820	40.8%	1,107	\$9.44	11
39-9031	Fitness Trainers and Aerobics Instructors	6,140	7,510	1,370	22.3%	252	\$12.02	7
39-9032	Recreation Workers	13,890	15,280	1,390	10.0%	399	\$10.68	11
39-9041	Residential Advisors	1,390	1,600	210	15.1%	60	\$14.09	11
39-9099	Personal Care and Service Workers, All Other	3,690	2,950	-740	-20.1%	80	\$9.73	11
41-0000	Sales and Related Occupations	613,280	627,850	14,570	2.4%	21,182	\$16.28	NA
41-1011	First-Line Superv./Mgrs of Retail Sales Workers	63,570	63,280	-290	-0.5%	1,334	\$18.39	8
41-1012	First-Line Sup./Mgrs of Non-Retail Sales Workers	21,170	21,380	210	1.0%	326	\$37.39	8
41-2011	Cashiers	139,430	130,690	-8,740	-6.3%	6,630	\$8.44	11
41-2021	Counter and Rental Clerks	15,660	17,820	2,160	13.8%	813	\$11.33	11
41-2022	Parts Salespersons	9,490	9,020	-470	-5.0%	107	\$13.37	10
41-2031	Retail Salespersons	162,050	170,830	8,780	5.4%	5,867	\$11.51	11
41-3011	Advertising Sales Agents	5,720	6,480	760	13.3%	176	\$21.15	10
41-3021	Insurance Sales Agents	28,040	30,980	2,940	10.5%	903	\$25.99	5
41-3031	Securities/Commodities/Fin. Serv. Sales Agents	13,960	15,800	1,840	13.2%	542	\$32.62	5
41-3041	Travel Agents	2,860	2,360	-500	-17.5%	20	\$13.74	7
41-3099	Sales Representatives, Services, All Other	14,540	17,700	3,160	21.7%	658	\$23.47	8
41-4011	Sales Rep., Wholesale & Mfg. Tech./Sci. Prod.	11,930	13,110	1,180	9.9%	381	\$36.90	8
41-4012	Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod.	71,280	74,310	3,030	4.3%	1,876	\$30.12	8
41-9021	Real Estate Brokers	3,080	3,390	310	10.1%	80	\$26.64	8
41-9022	Real Estate Sales Agents	7,920	8,580	660	8.3%	193	\$27.34	7
41-9031	Sales Engineers	1,850	1,840	-10	-0.5%	47	\$35.74	5
41-9041	Telemarketers	23,730	21,710	-2,020	-8.5%	835	\$10.58	11

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**See last page.

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Ohio
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		2006 Annual	2016 Projected	2006 - 2016	Percent			
41-9091	Door-To-Door Sales, News/St. Vendors, & Rel.	4,990	5,640	650	13.0%	133	\$12.63	11
41-9099	Sales and Related Workers, All Other	9,100	9,990	890	9.8%	171	\$20.19	10
43-0000	Office and Administrative Support Occupations	917,670	943,850	26,180	2.9%	24,944	\$14.53	NA
43-1011	First-Line Sup/Mgrs of Office & Admin. Support	45,250	45,540	290	0.6%	963	\$21.67	8
43-2011	Switchboard Operators, inc. Answering Service	6,300	5,690	-610	-9.7%	132	\$11.37	11
43-3011	Bill and Account Collectors	19,150	23,270	4,120	21.5%	702	\$14.23	11
43-3021	Billing & Posting Clerks & Machine Operators	26,580	27,060	480	1.8%	387	\$14.17	10
43-3031	Bookkeeping, Accounting, and Auditing Clerks	77,380	83,220	5,840	7.5%	1,795	\$15.15	10
43-3051	Payroll and Timekeeping Clerks	7,750	7,510	-240	-3.1%	196	\$16.09	10
43-3061	Procurement Clerks	3,150	2,970	-180	-5.7%	63	\$15.62	10
43-3071	Tellers	25,040	26,640	1,600	6.4%	1,255	\$10.83	11
43-4011	Brokerage Clerks	1,580	1,720	140	8.9%	65	\$18.47	10
43-4021	Correspondence Clerks	810	910	100	12.3%	31	\$16.29	11
43-4031	Court, Municipal, and License Clerks	4,960	5,310	350	7.1%	148	\$15.58	11
43-4041	Credit Authorizers, Checkers and Clerks	2,500	2,190	-310	-12.4%	77	\$14.99	11
43-4051	Customer Service Representatives	87,330	102,590	15,260	17.5%	3,958	\$15.00	10
43-4061	Eligibility Interviewers, Government Programs	4,190	4,010	-180	-4.3%	73	\$18.34	10
43-4071	File Clerks	7,610	4,290	-3,320	-43.6%	202	\$11.56	11
43-4081	Hotel, Motel and Resort Desk Clerks	6,760	7,150	390	5.8%	313	\$8.71	11
43-4111	Interviewers, except Eligibility and Loan	9,740	10,260	520	5.3%	308	\$13.21	11
43-4121	Library Assistants, Clerical	10,230	10,810	580	5.7%	382	\$11.66	11
43-4131	Loan Interviewers and Clerks	7,630	7,210	-420	-5.5%	132	\$14.78	11
43-4141	New Accounts Clerks	3,040	2,440	-600	-19.7%	89	\$13.88	8
43-4151	Order Clerks	8,740	5,940	-2,800	-32.0%	183	\$13.27	11
43-4161	Human Resources Assis., ex. Payroll & Timekp	5,970	6,390	420	7.0%	86	\$16.53	11
43-4171	Receptionists and Information Clerks	37,970	42,900	4,930	13.0%	1,422	\$11.14	11
43-4181	Reservation/Trans. Ticket Agents & Travel Clerks	3,270	3,190	-80	-2.4%	72	\$15.38	11
43-4199	Information and Record Clerks, All Other	9,430	7,930	-1,500	-15.9%	150	\$15.36	11
43-5011	Cargo and Freight Agents	1,730	2,010	280	16.2%	75	\$16.45	10
43-5021	Couriers and Messengers	3,220	3,040	-180	-5.6%	88	\$11.55	11
43-5031	Police, Fire, and Ambulance Dispatchers	4,390	4,790	400	9.1%	151	\$17.07	10
43-5032	Dispatchers, except Police, Fire and Ambulance	6,910	6,890	-20	-0.3%	175	\$17.15	10
43-5041	Meter Readers, Utilities	1,470	1,240	-230	-15.6%	47	\$15.51	11
43-5051	Postal Service Clerks	2,720	2,710	-10	-0.4%	61	\$21.50	11
43-5052	Postal Service Mail Carriers	14,110	14,050	-60	-0.4%	413	\$21.23	11
43-5053	Postal Service Mail Sorters/Proc/Proc Mach. Op.	7,860	7,090	-770	-9.8%	84	\$19.62	11
43-5061	Production, Planning, and Expediting Clerks	13,910	13,560	-350	-2.5%	379	\$19.04	10
43-5071	Shipping, Receiving, and Traffic Clerks	37,250	36,880	-370	-1.0%	893	\$14.04	11
43-5081	Stock Clerks and Order Fillers	64,790	56,980	-7,810	-12.1%	1,538	\$10.80	11
43-5111	Weighers/Meas./Checkers/Samplers, Recordkp	1,590	1,340	-250	-15.7%	42	\$13.90	11
43-6011	Executive Secretaries & Administrative Assistants	58,810	64,890	6,080	10.3%	1,545	\$18.67	8
43-6012	Legal Secretaries	9,100	9,910	810	8.9%	226	\$17.25	6
43-6013	Medical Secretaries	30,640	34,710	4,070	13.3%	895	\$13.40	10
43-6014	Secretaries, except Legal, Medical & Executive	71,560	69,130	-2,430	-3.4%	1,139	\$14.41	10
43-9011	Computer Operators	4,860	3,470	-1,390	-28.6%	78	\$17.34	10
43-9021	Data Entry Keyers	14,420	13,230	-1,190	-8.3%	354	\$12.02	10
43-9022	Word Processors and Typists	5,650	5,040	-610	-10.8%	107	\$14.99	10
43-9031	Desktop Publishers	1,530	1,370	-160	-10.5%	31	\$15.79	7
43-9041	Insurance Claims and Policy Processing Clerks	15,700	15,350	-350	-2.2%	189	\$16.26	10
43-9051	Mail Clerks & Mail Machine Op., ex. Postal Serv.	5,810	4,820	-990	-17.0%	153	\$12.28	11
43-9061	Office Clerks, General	103,960	112,220	8,260	7.9%	2,734	\$11.93	11
43-9071	Office Machine Operators, except Computer	3,240	3,020	-220	-6.8%	107	\$13.09	11
43-9081	Proofreaders and Copy Markers	640	660	20	3.1%	15	\$14.68	11
43-9111	Statistical Assistants	1,270	1,390	120	9.4%	68	\$16.18	10
43-9199	Office & Administrative Support Workers, All Other	7,890	6,770	-1,120	-14.2%	175	\$15.67	11
45-0000	Farming, Fishing, and Forestry Occupations	14,770	14,770	0	0.0%	424	\$12.24	NA

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		2006 Annual	2016 Projected	2006 - 2016	Percent			
45-1011	FL Sup/Mgrs of Farming/Fishing/Forestry Wrks.	1,140	1,150	10	0.9%	22	\$21.84	8
45-2011	Agricultural Inspectors	420	380	-40	-9.5%	11	\$19.41	8
45-2041	Graders and Sorters, Agricultural Products	520	540	20	3.8%	10	\$11.43	8
45-2091	Agricultural Equipment Operators	5,880	5,400	-480	-8.2%	147	\$13.71	10
45-2092	Farmworkers/Laborers, Crop/Nursery/Greenhse	3,100	3,410	310	10.0%	109	\$10.43	11
45-2093	Farmworkers, Farm and Ranch Animals	1,170	1,230	60	5.1%	35	\$10.75	11
45-4021	Fallers	180	180	0	0.0%	4	\$11.85	10
45-4022	Logging Equipment Operators	590	520	-70	-11.9%	12	\$13.51	10
45-4023	Log Graders and Scalers	190	200	10	5.3%	5	\$15.87	10
47-0000	Construction and Extraction Occupations	246,120	263,130	17,010	6.9%	6,185	\$20.37	NA
47-1011	First-Line Sup/Mgrs of Con. Trades/Extract. Work	21,050	22,720	1,670	7.9%	461	\$28.69	8
47-2011	Boilermakers	590	670	80	13.6%	29	\$27.96	9
47-2021	Brickmasons and Blockmasons	6,510	7,180	670	10.3%	203	\$22.66	9
47-2022	Stonemasons	440	490	50	11.4%	14	\$16.64	9
47-2031	Carpenters	41,220	44,930	3,710	9.0%	929	\$18.37	9
47-2041	Carpet Installers	1,900	1,830	-70	-3.7%	28	\$17.71	10
47-2042	Floor Layers, ex. Carpet, Wood, & Hard Tiles	600	510	-90	-15.0%	9	\$19.62	10
47-2044	Tile and Marble Setters	810	930	120	14.8%	24	\$19.88	9
47-2051	Cement Masons and Concrete Finishers	6,610	7,340	730	11.0%	264	\$19.54	10
47-2061	Construction Laborers	32,330	35,270	2,940	9.1%	537	\$17.77	10
47-2071	Paving, Surfacing, & Tamping Equip. Operators	1,810	1,930	120	6.6%	48	\$19.41	10
47-2073	Operating Engineers & Other Con. Equip. Op.	12,080	12,950	870	7.2%	321	\$22.53	10
47-2081	Drywall and Ceiling Tile Installers	2,200	2,330	130	5.9%	43	\$15.19	10
47-2082	Tapers	1,550	1,640	90	5.8%	30	\$18.93	10
47-2111	Electricians	30,190	30,400	210	0.7%	798	\$22.81	9
47-2121	Glaziers	2,250	2,280	30	1.3%	41	\$18.26	9
47-2131	Insulation Workers, Floor, Ceiling and Wall	1,160	1,230	70	6.0%	34	\$16.69	10
47-2132	Insulation Workers, Mechanical	560	600	40	7.1%	17	\$20.66	10
47-2141	Painters, Construction and Maintenance	12,620	13,970	1,350	10.7%	359	\$17.12	10
47-2142	Paperhangers	390	330	-60	-15.4%	7	\$16.97	10
47-2151	Pipelayers	1,410	1,470	60	4.3%	35	\$18.93	10
47-2152	Plumbers, Pipefitters and Steamfitters	18,120	19,110	990	5.5%	473	\$23.04	9
47-2161	Plasterers and Stucco Masons	500	530	30	6.0%	15	\$17.66	9
47-2171	Reinforcing Iron and Rebar Workers	900	1,020	120	13.3%	35	\$24.16	9
47-2181	Roofers	5,400	6,230	830	15.4%	207	\$17.37	10
47-2211	Sheet Metal Workers	5,770	5,750	-20	-0.3%	140	\$22.30	9
47-2221	Structural Iron and Steel Workers	2,690	2,780	90	3.3%	96	\$24.87	9
47-3011	Helpers--Brick/Block/Stone/Tile & Marble Setters	1,020	1,130	110	10.8%	37	\$14.20	11
47-3012	Helpers--Carpenters	1,820	2,000	180	9.9%	64	\$11.25	11
47-3013	Helpers--Electricians	2,500	2,610	110	4.4%	74	\$12.01	11
47-3014	Helpers--Painters/Paper/Plasterers/Stucco Mas.	300	290	-10	-3.3%	8	\$11.45	11
47-3015	Helpers--Pipelayers/Plumbers/Pipefitters/Steamf	1,690	1,860	170	10.1%	60	\$12.55	11
47-3016	Helpers--Roofers	590	630	40	6.8%	19	\$12.11	11
47-3019	Helpers, Construction Trades, All Other	890	990	100	11.2%	33	\$14.99	11
47-4011	Construction and Building Inspectors	4,490	4,880	390	8.7%	122	\$20.79	8
47-4021	Elevator Installers and Repairers	690	730	40	5.8%	22	\$32.88	9
47-4031	Fence Erectors	790	870	80	10.1%	24	\$14.34	10
47-4041	Hazardous Materials Removal Workers	1,700	1,770	70	4.1%	44	\$17.26	10
47-4051	Highway Maintenance Workers	9,420	9,930	510	5.4%	223	\$15.85	10
47-4061	Rail-Track Laying & Maintenance Equip. Oper.	600	590	-10	-1.7%	15	\$21.74	10
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	790	830	40	5.1%	20	\$16.27	10
47-4099	Construction and Related Workers, All Other	3,180	3,460	280	8.8%	111	\$16.71	10
47-5012	Rotary Drill Operators, Oil and Gas	230	240	10	4.3%	3	\$14.55	10
47-5013	Service Unit Operators, Oil, Gas, and Mining	510	530	20	3.9%	7	\$13.57	10
47-5021	Earth Drillers, except Oil and Gas	620	660	40	6.5%	24	\$19.06	10
47-5041	Continuous Mining Machine Operators	180	190	10	5.6%	8	\$22.00	10

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47-5042	Mine Cutting and Channeling Machine Operators	310	300	-10	-3.2%	12	\$16.25	10
47-5051	Rock Splitters, Quarry	200	210	10	5.0%	6	\$14.10	10
47-5071	Roustabouts, Oil and Gas	360	390	30	8.3%	14	\$12.36	10
47-5081	Helpers--Extraction Workers	500	530	30	6.0%	18	\$15.64	11
47-5099	Extraction Workers, All Other	310	310	0	0.0%	8	\$19.75	10
49-0000	Installation, Maintenance, and Repair Occupations	230,240	237,360	7,120	3.1%	4,474	\$19.08	NA
49-1011	FL Sup/Mgrs of Mechanics/Installers/Repairers	18,910	19,120	210	1.1%	465	\$27.04	8
49-2011	Computer, ATM, & Office Machine Repairers	5,990	5,880	-110	-1.8%	70	\$17.99	7
49-2021	Radio Mechanics	190	160	-30	-15.8%	5	\$20.00	9
49-2022	Telecomm. Equip. Install/Repair, ex. Line Install	6,840	6,390	-450	-6.6%	168	\$24.83	7
49-2091	Avionics Technicians	650	660	10	1.5%	8	\$26.32	7
49-2092	Electric Motor, Power Tool, & Related Repairers	940	880	-60	-6.4%	35	\$19.05	7
49-2093	Electrical/Electronics Install/Repair, Trans. Equip.	790	790	0	0.0%	17	\$20.06	7
49-2094	Electrical/Electronics Repair, Comm/Indus Equip.	2,450	2,500	50	2.0%	88	\$22.38	7
49-2095	Electrical/Electronics Repair, Pwrhse/Substa/Rly	980	880	-100	-10.2%	33	\$26.99	7
49-2096	Electronic Equipment Install/Repair, Motor Veh.	480	500	20	4.2%	17	\$15.51	7
49-2097	Electronic Home Entertainm Equip. Install/Repair	2,420	2,470	50	2.1%	28	\$15.27	7
49-2098	Security and Fire Alarm Systems Installers	1,690	1,950	260	15.4%	48	\$15.73	7
49-3011	Aircraft Mechanics and Service Technicians	3,690	3,880	190	5.1%	57	\$23.15	7
49-3021	Automotive Body and Related Repairers	7,410	7,550	140	1.9%	189	\$18.22	9
49-3022	Automotive Glass Installers and Repairers	1,220	1,310	90	7.4%	53	\$16.87	9
49-3023	Automotive Service Technicians and Mechanics	29,280	31,420	2,140	7.3%	801	\$17.03	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	12,740	13,860	1,120	8.8%	389	\$18.31	7
49-3041	Farm Equipment Mechanics	580	590	10	1.7%	12	\$15.48	9
49-3042	Mobile Heavy Equip. Mechanics, ex. Engines	3,340	3,600	260	7.8%	91	\$20.39	9
49-3043	Rail Car Repairers	1,270	1,330	60	4.7%	31	\$20.26	9
49-3051	Motorboat Mechanics	590	660	70	11.9%	19	\$13.80	9
49-3052	Motorcycle Mechanics	690	710	20	2.9%	16	\$13.13	9
49-3053	Outdoor Power Equip. & Other Sm Engine Mech.	1,080	1,110	30	2.8%	25	\$12.79	10
49-3092	Recreational Vehicle Service Technicians	510	560	50	9.8%	15	\$15.09	9
49-3093	Tire Repairers and Changers	3,990	4,800	810	20.3%	160	\$11.56	11
49-9011	Mechanical Door Repairers	480	530	50	10.4%	13	\$15.83	10
49-9012	Control & Valve Install/Repair, ex. Mech. Door	740	720	-20	-2.7%	13	\$23.85	10
49-9021	Heating, AC, & Refrigeration Mechanics/Installers	9,860	10,690	830	8.4%	256	\$18.84	9
49-9031	Home Appliance Repairers	1,800	1,680	-120	-6.7%	41	\$18.44	9
49-9041	Industrial Machinery Mechanics	11,060	11,560	500	4.5%	235	\$23.18	9
49-9042	Maintenance and Repair Workers, General	61,470	62,630	1,160	1.9%	268	\$16.82	10
49-9043	Maintenance Workers, Machinery	3,920	3,630	-290	-7.4%	63	\$18.60	10
49-9044	Millwrights	5,410	4,550	-860	-15.9%	68	\$27.14	9
49-9051	Electrical Power-Line Installers and Repairers	3,300	3,380	80	2.4%	112	\$25.10	9
49-9052	Telecommunications Line Installers & Repairers	5,540	5,780	240	4.3%	168	\$20.03	9
49-9062	Medical Equipment Repairers	1,290	1,510	220	17.1%	58	\$23.64	6
49-9063	Musical Instrument Repairers and Tuners	240	240	0	0.0%	7	\$15.08	9
49-9069	Precision Instrument/Equipment Repairers, AO	450	400	-50	-11.1%	13	\$23.45	10
49-9091	Coin/Vending/Amusement Machine Serv/Repair	2,330	2,540	210	9.0%	86	\$12.25	10
49-9094	Locksmiths and Safe Repairers	720	790	70	9.7%	21	\$15.46	10
49-9096	Riggers	220	210	-10	-4.5%	1	\$20.33	11
49-9097	Signal and Track Switch Repairers	180	190	10	5.6%	2	\$22.94	10
49-9098	Helpers--Installation/Maintenance/Repair Workers	3,990	4,210	220	5.5%	116	\$11.44	11
49-9099	Installation/Maintenance/Repair Workers, AO	6,760	6,850	90	1.3%	52	\$16.05	10
51-0000	Production Occupations	597,180	526,700	-70,480	-11.8%	12,201	\$15.89	NA
51-1011	FL Sup/Mgrs of Production/Operating Workers	40,000	35,320	-4,680	-11.7%	669	\$24.49	8
51-2011	Aircraft Structure/Surfaces/Rigging/Sys. Assemb.	230	230	0	0.0%	5	\$15.87	10
51-2021	Coil Winders, Tapers, and Finishers	780	490	-290	-37.2%	13	\$15.50	11
51-2022	Electrical & Electronic Equipment Assemblers	8,470	5,410	-3,060	-36.1%	144	\$13.67	11
51-2023	Electromechanical Equipment Assemblers	1,090	910	-180	-16.5%	19	\$14.62	11

*Occupations with 100 or more workers.

**See last page.

+See last page for Education and Training Levels.

++Annual earnings, typically 9 1/2 months for school teachers.

**Ohio
Occupational Employment* Projections Report, 2006-2016**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage May 07	Education Training Level+
		2006 Annual	2016 Projected	2006 - 2016	Percent			
51-2031	Engine and Other Machine Assemblers	3,540	2,880	-660	-18.6%	85	\$19.17	11
51-2041	Structural Metal Fabricators and Fitters	3,340	2,950	-390	-11.7%	58	\$15.71	10
51-2091	Fiberglass Laminators and Fabricators	820	820	0	0.0%	17	\$12.89	10
51-2092	Team Assemblers	89,040	81,640	-7,400	-8.3%	1,850	\$13.29	10
51-2099	Assemblers and Fabricators, All Other	20,060	15,270	-4,790	-23.9%	417	\$18.57	10
51-3011	Bakers	5,250	5,730	480	9.1%	159	\$10.99	9
51-3021	Butchers and Meat Cutters	5,070	5,130	60	1.2%	166	\$13.89	9
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	1,710	1,870	160	9.4%	70	\$10.37	11
51-3023	Slaughterers and Meat Packers	1,140	1,200	60	5.3%	42	\$10.97	10
51-3091	Food/Tobacco Roast/Baking/ Drying Mach. O/T	1,220	1,410	190	15.6%	64	\$13.46	11
51-3092	Food Batchmakers	2,970	3,290	320	10.8%	108	\$13.67	11
51-3093	Food Cooking Machine Operators and Tenders	2,070	1,950	-120	-5.8%	80	\$10.46	11
51-4011	Computer-Controlled Machine Tool Oper., M/P	12,450	11,250	-1,200	-9.6%	149	\$16.08	10
51-4012	Numerical Tool & Process Control Programmers	1,090	960	-130	-11.9%	13	\$21.02	8
51-4021	Extruding & Drawing Machine Setters, O/T, M/P	9,130	7,600	-1,530	-16.8%	248	\$15.35	10
51-4022	Forging Mach. Setters/Operators/Tenders, M/P	2,480	1,550	-930	-37.5%	78	\$17.04	10
51-4023	Rolling Machine Setters/Operators/Tenders, M/P	3,070	2,430	-640	-20.8%	63	\$15.76	10
51-4031	Cutting/Punching/Press Machine S/O/T, M/P	26,530	21,470	-5,060	-19.1%	636	\$13.97	10
51-4032	Drilling & Boring Machine Tool Setters, O/T, M/P	5,160	3,720	-1,440	-27.9%	104	\$18.60	10
51-4033	Grind/Lapping/Polish/Buf Mach.Tool S/O/T, M/P	9,050	7,150	-1,900	-21.0%	89	\$15.25	10
51-4034	Lathe & Turning Machine Tool Setters, O/T, M/P	5,030	3,650	-1,380	-27.4%	98	\$15.56	10
51-4035	Milling & Planing Machine Setters, O/T, M/P	2,220	1,730	-490	-22.1%	22	\$14.60	10
51-4041	Machinists	29,190	26,340	-2,850	-9.8%	451	\$16.74	9
51-4051	Metal-Refining Furnace Operators and Tenders	1,510	1,110	-400	-26.5%	23	\$18.46	10
51-4052	Pourers and Casters, Metal	1,390	1,110	-280	-20.1%	22	\$15.77	10
51-4061	Model Makers, Metal and Plastic	450	410	-40	-8.9%	10	\$20.35	9
51-4062	Patternmakers, Metal and Plastic	770	660	-110	-14.3%	18	\$23.58	9
51-4071	Foundry Mold and Coremakers	1,420	1,020	-400	-28.2%	33	\$14.40	10
51-4072	Molding/Coremaking/Casting Mach. S/O/T, M/P	14,790	12,120	-2,670	-18.1%	347	\$13.88	10
51-4081	Multiple Machine Tool Setters, O/T, M/P	7,290	6,860	-430	-5.9%	147	\$17.18	10
51-4111	Tool and Die Makers	12,280	10,270	-2,010	-16.4%	163	\$22.65	9
51-4121	Welders, Cutters, Solderers, and Brazers	17,860	17,120	-740	-4.1%	378	\$16.23	7
51-4122	Welding/Soldering/Brazing Machine Setters, O/T	4,110	3,790	-320	-7.8%	87	\$16.14	7
51-4191	Heat Treating Equip. Setters, O/T, M/P	2,580	2,100	-480	-18.6%	44	\$15.00	10
51-4192	Lay-Out Workers, Metal and Plastic	620	470	-150	-24.2%	11	\$18.18	10
51-4193	Plating & Coating Machine Setters, O/T, M/P	2,690	2,350	-340	-12.6%	80	\$14.21	10
51-4194	Tool Grinders, Filers, and Sharpeners	1,420	1,120	-300	-21.1%	24	\$15.68	10
51-4199	Metal Workers and Plastic Workers, All Other	6,650	4,420	-2,230	-33.5%	106	\$15.80	10
51-5011	Bindery Workers	1,960	1,490	-470	-24.0%	28	\$14.24	11
51-5012	Bookbinders	460	400	-60	-13.0%	7	\$13.23	10
51-5021	Job Printers	2,910	2,440	-470	-16.2%	28	\$16.21	9
51-5022	Prepress Technicians and Workers	3,600	2,680	-920	-25.6%	57	\$16.74	7
51-5023	Printing Machine Operators	7,850	7,210	-640	-8.2%	174	\$15.45	10
51-6011	Laundry and Dry-Cleaning Workers	9,920	10,470	550	5.5%	278	\$9.40	10
51-6021	Pressers, Textile, Garment & Related Materials	3,230	2,940	-290	-9.0%	23	\$9.42	11
51-6031	Sewing Machine Operators	5,110	4,340	-770	-15.1%	49	\$11.14	10
51-6051	Sewers, Hand	970	900	-70	-7.2%	16	\$11.01	11
51-6052	Tailors, Dressmakers and Custom Sewers	1,760	1,860	100	5.7%	40	\$12.34	9
51-6062	Textile Cutting Machine Setters/Oper./Tenders	580	480	-100	-17.2%	19	\$12.94	10
51-6091	Extrud/Form Mach S/O/T, Synthetic/Glass Fibers	1,290	1,030	-260	-20.2%	26	\$15.18	10
51-6093	Upholsterers	1,300	1,180	-120	-9.2%	20	\$13.41	9
51-6099	Textile/Apparel/Furnishings Workers, All Other	890	700	-190	-21.3%	22	\$10.51	11
51-7011	Cabinetmakers and Bench Carpenters	5,870	6,150	280	4.8%	203	\$14.06	9
51-7021	Furniture Finishers	1,450	1,400	-50	-3.4%	26	\$11.99	9
51-7041	Sawing Mach. Setters/Operators/Tenders, Wood	2,550	2,740	190	7.5%	70	\$13.91	10
51-7042	Woodworking Machine Setters, O/T, ex. Sawing	3,920	4,090	170	4.3%	115	\$12.61	10

*Occupations with 100 or more workers.

**See last page.

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**Ohio
Occupational Employment* Projections Report, 2006-2016**

Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage May 07	Education Training Level+
		2006 Annual	2016 Projected	2006 - 2016	Percent			
51-7099	Woodworkers, All Other	610	620	10	1.6%	14	\$11.69	10
51-8011	Nuclear Power Reactor Operators	150	160	10	6.7%	6	\$30.04	9
51-8012	Power Distributors and Dispatchers	160	140	-20	-12.5%	5	\$25.26	9
51-8013	Power Plant Operators	1,260	1,220	-40	-3.2%	43	\$27.13	9
51-8021	Stationary Engineers and Boiler Operators	2,080	1,970	-110	-5.3%	35	\$23.14	9
51-8031	Water/Liquid Waste Treatment Plant/System Op.	6,000	6,580	580	9.7%	163	\$18.66	9
51-8091	Chemical Plant and System Operators	1,800	1,560	-240	-13.3%	50	\$23.28	9
51-8092	Gas Plant Operators	610	580	-30	-4.9%	17	\$27.91	9
51-8099	Plant and System Operators, All Other	320	310	-10	-3.1%	9	\$20.76	9
51-9011	Chemical Equipment Operators and Tenders	3,230	2,890	-340	-10.5%	74	\$19.77	10
51-9012	Sep./Filter/Clarify/Precipitating/Still Mach. S/O/T	2,460	2,220	-240	-9.8%	56	\$18.62	10
51-9021	Crushing/Grinding/Polishing Machine S/O/T	1,300	1,050	-250	-19.2%	21	\$14.45	10
51-9022	Grinding and Polishing Workers, Hand	2,770	2,200	-570	-20.6%	45	\$13.71	10
51-9023	Mixing/Blending Mach. Setter/Operator/Tenders	9,400	8,730	-670	-7.1%	154	\$16.76	10
51-9031	Cutters and Trimmers, Hand	1,250	1,010	-240	-19.2%	19	\$12.80	11
51-9032	Cutting/Slicing Mach. Setters/Operators/Tenders	4,150	3,550	-600	-14.5%	63	\$14.65	10
51-9041	Extrud/Form/Pressing/Compacting Mach. S/O/T	6,290	5,020	-1,270	-20.2%	115	\$13.85	10
51-9051	Furnace/Kiln/Oven/Drier/Kettle Oper./Tenders	1,860	1,480	-380	-20.4%	51	\$16.09	10
51-9061	Inspectors/Testers/Sorters/Samplers/Weighers	27,650	23,730	-3,920	-14.2%	410	\$16.33	10
51-9071	Jewelers & Precious Stone & Metal Workers	1,770	1,890	120	6.8%	42	\$15.04	7
51-9081	Dental Laboratory Technicians	1,680	1,660	-20	-1.2%	32	\$16.62	9
51-9082	Medical Appliance Technicians	610	610	0	0.0%	11	\$15.25	9
51-9083	Ophthalmic Laboratory Technicians	710	670	-40	-5.6%	13	\$12.04	10
51-9111	Packaging & Filling Machine Operators/Tenders	20,080	18,330	-1,750	-8.7%	373	\$13.14	11
51-9121	Coating/Painting/Spraying Machine Setters, O/T	6,980	5,570	-1,410	-20.2%	137	\$14.61	10
51-9122	Painters, Transportation Equipment	1,490	1,450	-40	-2.7%	29	\$19.53	10
51-9123	Painting, Coating, and Decorating Workers	980	910	-70	-7.1%	19	\$11.15	11
51-9131	Photographic Process Workers	700	380	-320	-45.7%	24	\$14.41	10
51-9132	Photographic Processing Machine Operators	1,870	830	-1,040	-55.6%	65	\$9.80	11
51-9141	Semiconductor Processors	250	200	-50	-20.0%	4	\$15.84	6
51-9191	Cementing/Gluing Machine Operators/Tenders	1,420	1,130	-290	-20.4%	37	\$14.51	10
51-9192	Cleaning/Washing/Metal Pickling Equipment O/T	990	860	-130	-13.1%	28	\$12.97	10
51-9193	Cooling/Freezing Equipment Operators/Tenders	270	230	-40	-14.8%	6	\$14.07	10
51-9194	Etchers and Engravers	590	540	-50	-8.5%	11	\$13.84	9
51-9195	Molders/Shapers/Casters, ex. Metal & Plastic	2,420	2,160	-260	-10.7%	54	\$12.99	10
51-9196	Paper Goods Mach. Setters/Operators/Tenders	5,550	4,400	-1,150	-20.7%	135	\$14.63	10
51-9197	Tire Builders	1,200	920	-280	-23.3%	44	\$19.50	10
51-9198	Helpers--Production Workers	31,510	28,910	-2,600	-8.3%	774	\$11.70	11
51-9199	Production Workers, All Other	17,490	16,930	-560	-3.2%	361	\$15.44	10
53-0000	Transportation and Material Moving Occupations	453,190	456,080	2,890	0.6%	12,171	\$14.54	NA
53-1021	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	9,190	9,820	630	6.9%	250	\$21.07	8
53-1031	FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	8,810	9,620	810	9.2%	261	\$25.30	8
53-2011	Airline Pilots, Copilots & Flight Engineers	3,810	4,270	460	12.1%	158	NA	5
53-2012	Commercial Pilots	1,680	1,840	160	9.5%	65	NA	7
53-2021	Air Traffic Controllers	890	890	0	0.0%	24	\$55.96	9
53-2022	Airfield Operations Specialists	240	260	20	8.3%	9	\$18.34	9
53-3011	Ambulance Drivers & Attendants, except EMT	750	880	130	17.3%	23	\$9.06	10
53-3031	Driver/Sales Workers	23,680	22,090	-1,590	-6.7%	420	\$10.80	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	74,170	81,020	6,850	9.2%	2,001	\$18.25	10
53-3033	Truck Drivers, Light or Delivery Services	42,760	45,510	2,750	6.4%	1,034	\$13.95	11
53-3041	Taxi Drivers and Chauffeurs	7,490	8,720	1,230	16.4%	220	\$9.84	11
53-3099	Motor Vehicle Operators, All Other	2,900	3,280	380	13.1%	84	\$12.80	11
53-4011	Locomotive Engineers	1,510	1,500	-10	-0.7%	46	\$21.30	10
53-4013	Rail Yard Engineers/Dinkey Operators/Hostlers	180	210	30	16.7%	8	\$14.80	10
53-4021	Railroad Brake, Signal & Switch Operators	130	130	0	0.0%	5	\$18.83	10
53-4099	Rail Transportation Workers, All Other	1,780	1,310	-470	-26.4%	62	\$18.42	10

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Code	Occupational Title**	Employment		Change in Employment		Total Annual Openings	Average Wage May 07	Education Training Level+
		2006 Annual	2016 Projected	2006 - 2016	Percent			
53-5011	Sailors and Marine Oilers	570	550	-20	-3.5%	20	\$17.50	11
53-5021	Captains, Mates, and Pilots of Water Vessels	380	360	-20	-5.3%	10	\$26.06	8
53-5031	Ship Engineers	120	110	-10	-8.3%	3	\$39.17	8
53-6021	Parking Lot Attendants	3,630	3,790	160	4.4%	115	\$9.10	11
53-6031	Service Station Attendants	3,140	3,540	400	12.7%	184	\$8.88	11
53-6041	Traffic Technicians	100	110	10	10.0%	3	\$20.66	11
53-6051	Transportation Inspectors	1,020	1,240	220	21.6%	56	\$24.19	8
53-6099	Transportation Workers, All Other	1,520	1,660	140	9.2%	42	\$19.52	11
53-7011	Conveyor Operators and Tenders	3,360	3,210	-150	-4.5%	58	\$16.40	11
53-7021	Crane and Tower Operators	2,580	2,390	-190	-7.4%	46	\$17.91	9
53-7031	Dredge Operators	150	140	-10	-6.7%	2	\$16.16	10
53-7032	Excavating & Loading Machine & Dragline Oper.	2,580	2,770	190	7.4%	60	\$18.01	10
53-7051	Industrial Truck and Tractor Operators	30,400	27,900	-2,500	-8.2%	767	\$14.50	11
53-7061	Cleaners of Vehicles and Equipment	14,320	15,080	760	5.3%	622	\$10.71	11
53-7062	Laborers/Freight/Stock/Material Movers, Hand	128,880	127,830	-1,050	-0.8%	4,125	\$11.72	11
53-7063	Machine Feeders and Offbearers	6,340	4,970	-1,370	-21.6%	114	\$13.49	11
53-7064	Packers and Packagers, Hand	43,210	36,830	-6,380	-14.8%	527	\$10.69	11
53-7071	Gas Compressor & Gas Pumping Station Oper.	210	160	-50	-23.8%	8	\$20.94	10
53-7073	Wellhead Pumpers	230	230	0	0.0%	9	\$15.62	10
53-7081	Refuse and Recyclable Material Collectors	4,360	4,330	-30	-0.7%	118	\$14.46	11
53-7121	Tank Car, Truck and Ship Loaders	440	500	60	13.6%	14	\$15.52	10
53-7199	Material Moving Workers, All Other	1,490	1,380	-110	-7.4%	27	\$15.75	10

+ Education/Training Levels

- 1 First Professional Degree
- 2 Doctoral Degree
- 3 Master's Degree
- 4 Bachelor's or Higher Degree, plus Work Experience
- 5 Bachelor's Degree
- 6 Associate Degree
- 7 Postsecondary Vocational Award
- 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

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, November 2008.

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Occupations with High Employment Prospects in Ohio

(Occupations paying at least \$14.85 an hour and having at least 50 annual openings)
 (\$14.85 was Ohio's median wage in May 2007, which means half of all occupations paid \$14.85 an hour or more.)

Code	Occupational Title*	Employment		Change in Employment		Total Annual Openings	Average Wage May 07
		2006 Annual	2016 Projected	2006 - 2016	Percent		
Occupations Requiring Short-Term On-the-Job Training (up to one month)							
43-4031	Court, Municipal, and License Clerks	4,960	5,310	350	7.1%	148	\$15.58
43-4041	Credit Authorizers, Checkers and Clerks	2,500	2,190	-310	-12.4%	77	\$14.99
43-4161	Human Resources Assis., ex. Payroll & Timek	5,970	6,390	420	7.0%	86	\$16.53
43-4181	Reservation/Trans. Ticket Agents & Travel Clerks	3,270	3,190	-80	-2.4%	72	\$15.38
43-5051	Postal Service Clerks	2,720	2,710	-10	-0.4%	61	\$21.50
43-5052	Postal Service Mail Carriers	14,110	14,050	-60	-0.4%	413	\$21.23
43-5053	Postal Service Mail Sorters/Proc/Proc Mach. Op.	7,860	7,090	-770	-9.8%	84	\$19.62
51-2031	Engine and Other Machine Assemblers	3,540	2,880	-660	-18.6%	85	\$19.17
53-7011	Conveyor Operators and Tenders	3,360	3,210	-150	-4.5%	58	\$16.40
Occupations Requiring Moderate-Term On-the-Job Training (one to twelve months combined experience/training)							
17-3031	Surveying and Mapping Technicians	1,890	2,040	150	7.9%	51	\$17.22
31-9091	Dental Assistants	10,040	12,130	2,090	20.8%	383	\$14.93
41-3011	Advertising Sales Agents	5,720	6,480	760	13.3%	176	\$21.15
43-3031	Bookkeeping, Accounting, and Auditing Clerks	77,380	83,220	5,840	7.5%	1,795	\$15.15
43-3051	Payroll and Timekeeping Clerks	7,750	7,510	-240	-3.1%	196	\$16.09
43-3061	Procurement Clerks	3,150	2,970	-180	-5.7%	63	\$15.62
43-4011	Brokerage Clerks	1,580	1,720	140	8.9%	65	\$18.47
43-4051	Customer Service Representatives	87,330	102,590	15,260	17.5%	3,958	\$15.00
43-4061	Eligibility Interviewers, Government Programs	4,190	4,010	-180	-4.3%	73	\$18.34
43-5011	Cargo and Freight Agents	1,730	2,010	280	16.2%	75	\$16.45
43-5031	Police, Fire, and Ambulance Dispatchers	4,390	4,790	400	9.1%	151	\$17.07
43-5032	Dispatchers, except Police, Fire and Ambulance	6,910	6,890	-20	-0.3%	175	\$17.15
43-5061	Production, Planning, and Expediting Clerks	13,910	13,560	-350	-2.5%	379	\$19.04
43-9011	Computer Operators	4,860	3,470	-1,390	-28.6%	78	\$17.34
43-9022	Word Processors and Typists	5,650	5,040	-610	-10.8%	107	\$14.99
43-9041	Insurance Claims and Policy Processing Clerks	15,700	15,350	-350	-2.2%	189	\$16.26
43-9111	Statistical Assistants	1,270	1,390	120	9.4%	68	\$16.18
47-2051	Cement Masons and Concrete Finishers	6,610	7,340	730	11.0%	264	\$19.54
47-2061	Construction Laborers	32,330	35,270	2,940	9.1%	537	\$17.77
47-2073	Operating Engineers & Other Con. Equip. Op.	12,080	12,950	870	7.2%	321	\$22.53
47-2141	Painters, Construction and Maintenance	12,620	13,970	1,350	10.7%	359	\$17.12
47-2181	Roofers	5,400	6,230	830	15.4%	207	\$17.37
47-4051	Highway Maintenance Workers	9,420	9,930	510	5.4%	223	\$15.85
49-9042	Maintenance and Repair Workers, General	61,470	62,630	1,160	1.9%	268	\$16.82
49-9043	Maintenance Workers, Machinery	3,920	3,630	-290	-7.4%	63	\$18.60
51-2041	Structural Metal Fabricators and Fitters	3,340	2,950	-390	-11.7%	58	\$15.71
51-4011	Computer-Controlled Machine Tool Oper., M/P	12,450	11,250	-1,200	-9.6%	149	\$16.08
51-4021	Extruding & Drawing Machine Setters, O/T, M/P	9,130	7,600	-1,530	-16.8%	248	\$15.35
51-4022	Forging Mach. Setters/Operators/Tenders, M/P	2,480	1,550	-930	-37.5%	78	\$17.04
51-4023	Rolling Machine Setters/Operators/Tenders, M/P	3,070	2,430	-640	-20.8%	63	\$15.76
51-4032	Drilling & Boring Machine Tool Setters, O/T, M/P	5,160	3,720	-1,440	-27.9%	104	\$18.60
51-4033	Grind/Lapping/Polish/Buf Mach.Tool S/O/T, M/P	9,050	7,150	-1,900	-21.0%	89	\$15.25
51-4034	Lathe & Turning Machine Tool Setters, O/T, M/P	5,030	3,650	-1,380	-27.4%	98	\$15.56
51-4081	Multiple Machine Tool Setters, O/T, M/P	7,290	6,860	-430	-5.9%	147	\$17.18
51-5023	Printing Machine Operators	7,850	7,210	-640	-8.2%	174	\$15.45
51-9011	Chemical Equipment Operators and Tenders	3,230	2,890	-340	-10.5%	74	\$19.77

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Code	Occupational Title*	Employment		Change in Employment		Total Annual Openings	Average Wage May 07
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51-9012	Sep./Filter/Clarify/Precipitating/Still Mach. S/O/T	2,460	2,220	-240	-9.8%	56	\$18.62
51-9023	Mixing/Blending Mach. Setter/Operator/Tenders	9,400	8,730	-670	-7.1%	154	\$16.76
51-9051	Furnace/Kiln/Oven/Drier/Kettle Oper./Tenders	1,860	1,480	-380	-20.4%	51	\$16.09
51-9061	Inspectors/Testers/Sorters/Samplers/Weighers	27,650	23,730	-3,920	-14.2%	410	\$16.33
53-3032	Truck Drivers, Heavy and Tractor-Trailer	74,170	81,020	6,850	9.2%	2,001	\$18.25
53-7032	Excavating & Loading Machine & Dragline Oper.	2,580	2,770	190	7.4%	60	\$18.01
Occupations Requiring Long-Term On-the-Job Training (twelve months or more combined experience/training)							
13-1022	Wholesale & Retail Buyers, ex. Farm Products	4,410	4,230	-180	-4.1%	99	\$23.31
13-1023	Purchasing Agents, ex. Whole., Retail, & Farm	12,270	11,470	-800	-6.5%	262	\$26.49
13-1031	Claims Adjusters, Examiners and Investigators	9,520	10,160	640	6.7%	306	\$27.43
13-1041	Compl. Off., ex. Agric, Con, Hlth/Safety, & Trans.	6,310	6,390	80	1.3%	82	\$25.22
27-2042	Musicians and Singers	8,320	9,300	980	11.8%	267	\$29.15
29-2081	Opticians, Dispensing	3,200	3,170	-30	-0.9%	102	\$15.74
33-2011	Fire Fighters	19,830	21,630	1,800	9.1%	903	\$19.08
33-3051	Police and Sheriff's Patrol Officers	24,700	26,640	1,940	7.9%	854	\$22.55
47-2021	Brickmasons and Blockmasons	6,510	7,180	670	10.3%	203	\$22.66
47-2031	Carpenters	41,220	44,930	3,710	9.0%	929	\$18.37
47-2111	Electricians	30,190	30,400	210	0.7%	798	\$22.81
47-2152	Plumbers, Pipefitters and Steamfitters	18,120	19,110	990	5.5%	473	\$23.04
47-2211	Sheet Metal Workers	5,770	5,750	-20	-0.3%	140	\$22.30
47-2221	Structural Iron and Steel Workers	2,690	2,780	90	3.3%	96	\$24.87
49-3021	Automotive Body and Related Repairers	7,410	7,550	140	1.9%	189	\$18.22
49-3022	Automotive Glass Installers and Repairers	1,220	1,310	90	7.4%	53	\$16.87
49-3042	Mobile Heavy Equip. Mechanics, ex. Engines	3,340	3,600	260	7.8%	91	\$20.39
49-9021	Heating, AC, & Refrigeration Mechanics/Installers	9,860	10,690	830	8.4%	256	\$18.84
49-9041	Industrial Machinery Mechanics	11,060	11,560	500	4.5%	235	\$23.18
49-9044	Millwrights	5,410	4,550	-860	-15.9%	68	\$27.14
49-9051	Electrical Power-Line Installers and Repairers	3,300	3,380	80	2.4%	112	\$25.10
49-9052	Telecommunications Line Installers & Repairers	5,540	5,780	240	4.3%	168	\$20.03
51-4041	Machinists	29,190	26,340	-2,850	-9.8%	451	\$16.74
51-4111	Tool and Die Makers	12,280	10,270	-2,010	-16.4%	163	\$22.65
51-8031	Water/Liquid Waste Treatment Plant/System Op.	6,000	6,580	580	9.7%	163	\$18.66
51-8091	Chemical Plant and System Operators	1,800	1,560	-240	-13.3%	50	\$23.28
Occupations Requiring Work Experience in a Related Occupation							
11-3051	Industrial Production Managers	7,890	6,880	-1,010	-12.8%	272	\$41.65
11-3071	Transportation, Storage, & Distribution Managers	3,130	3,390	260	8.3%	119	\$40.03
11-9051	Food Service Managers	16,160	16,590	430	2.7%	425	\$21.22
25-3021	Self-Enrichment Education Teachers	6,600	7,960	1,360	20.6%	207	\$16.31
33-1012	First-Line Superv./Mgrs of Police & Detectives	3,940	4,250	310	7.9%	154	\$31.09
33-1021	FL Sup/Mgrs of Fire Fighting & Prev. Workers	2,790	3,040	250	9.0%	112	\$27.95
33-3021	Detectives and Criminal Investigators	2,130	2,380	250	11.7%	72	\$28.67
35-1011	Chefs and Head Cooks	3,270	3,380	110	3.4%	52	\$20.14
37-1011	FL Sup/Mgrs of Housekping & Janitorial Workers	8,190	8,800	610	7.4%	182	\$16.41
37-1012	FL Sup/Mgrs of Lndscap./Lawn Ser/Groundskp	6,480	7,250	770	11.9%	121	\$19.21
39-1021	First-Line Sup/Mgrs of Personal Serv. Workers	7,160	8,010	850	11.9%	240	\$16.87
41-1011	First-Line Superv./Mgrs of Retail Sales Workers	63,570	63,280	-290	-0.5%	1,334	\$18.39
41-1012	First-Line Sup./Mgrs of Non-Retail Sales Workers	21,170	21,380	210	1.0%	326	\$37.39

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41-4011	Sales Rep., Wholesale & Mfg, Tech./Sci. Prod.	11,930	13,110	1,180	9.9%	381	\$36.90
41-4012	Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod.	71,280	74,310	3,030	4.3%	1,876	\$30.12
41-9021	Real Estate Brokers	3,080	3,390	310	10.1%	80	\$26.64
43-1011	First-Line Sup/Mgrs of Office & Admin. Support	45,250	45,540	290	0.6%	963	\$21.67
43-6011	Executive Secretaries & Administrative Assistants	58,810	64,890	6,080	10.3%	1,545	\$18.67
47-1011	First-Line Sup/Mgrs of Con. Trades/Extract. Work	21,050	22,720	1,670	7.9%	461	\$28.69
47-4011	Construction and Building Inspectors	4,490	4,880	390	8.7%	122	\$20.79
49-1011	FL Sup/Mgrs of Mechanics/Installers/Repairers	18,910	19,120	210	1.1%	465	\$27.04
51-1011	FL Sup/Mgrs of Production/Operating Workers	40,000	35,320	-4,680	-11.7%	669	\$24.49
53-1021	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	9,190	9,820	630	6.9%	250	\$21.07
53-1031	FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	8,810	9,620	810	9.2%	261	\$25.30
53-6051	Transportation Inspectors	1,020	1,240	220	21.6%	56	\$24.19
Occupations Requiring Postsecondary Vocational Award							
17-3011	Architectural and Civil Drafters	3,010	2,820	-190	-6.3%	86	\$20.82
17-3013	Mechanical Drafters	3,760	3,590	-170	-4.5%	107	\$19.70
29-2055	Surgical Technologists	3,440	4,210	770	22.4%	182	\$17.36
29-2061	Licensed Practical & Licensed Vocat. Nurses	38,690	44,070	5,380	13.9%	1,593	\$18.57
31-9011	Massage Therapists	3,970	4,740	770	19.4%	122	\$15.04
41-9022	Real Estate Sales Agents	7,920	8,580	660	8.3%	193	\$27.34
49-2011	Computer, ATM, & Office Machine Repairers	5,990	5,880	-110	-1.8%	70	\$17.99
49-2022	Telecomm. Equip. Install/Repair, ex. Line Install	6,840	6,390	-450	-6.6%	168	\$24.83
49-2094	Electrical/Electronics Repair, Comm/Indus Equip.	2,450	2,500	50	2.0%	88	\$22.38
49-3011	Aircraft Mechanics and Service Technicians	3,690	3,880	190	5.1%	57	\$23.15
49-3023	Automotive Service Technicians and Mechanics	29,280	31,420	2,140	7.3%	801	\$17.03
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	12,740	13,860	1,120	8.8%	389	\$18.31
51-4121	Welders, Cutters, Solderers, and Brazers	17,860	17,120	-740	-4.1%	378	\$16.23
51-4122	Welding/Soldering/Brazing Machine Setters, O/T	4,110	3,790	-320	-7.8%	87	\$16.14
51-5022	Prepress Technicians and Workers	3,600	2,680	-920	-25.6%	57	\$16.74
Occupations Requiring an Associate Degree							
11-9061	Funeral Directors	1,550	1,690	140	9.0%	51	\$28.92
15-1041	Computer Support Specialists	16,970	18,250	1,280	7.5%	652	\$19.70
17-3023	Electrical & Electronic Engineering Technicians	4,750	4,730	-20	-0.4%	93	\$23.55
17-3025	Environmental Engineering Technicians	1,520	1,740	220	14.5%	52	\$21.39
17-3026	Industrial Engineering Technicians	3,390	3,390	0	0.0%	66	\$22.89
17-3027	Mechanical Engineering Technicians	3,280	3,370	90	2.7%	73	\$22.20
19-4031	Chemical Technicians	3,110	3,010	-100	-3.2%	104	\$20.05
19-4091	Environ. Science & Protection Tech., inc. Health	1,080	1,280	200	18.5%	61	\$17.81
23-2011	Paralegals and Legal Assistants	6,320	7,560	1,240	19.6%	207	\$21.04
27-1025	Interior Designers	2,630	2,820	190	7.2%	89	\$19.24
27-4012	Broadcast Technicians	1,280	1,400	120	9.4%	54	\$17.56
29-1111	Registered Nurses	113,050	138,640	25,590	22.6%	4,425	\$27.56
29-1126	Respiratory Therapists	5,350	6,540	1,190	22.2%	198	\$22.76
29-2012	Medical and Clinical Laboratory Technicians	5,280	6,030	750	14.2%	155	\$17.03
29-2021	Dental Hygienists	6,320	7,640	1,320	20.9%	253	\$29.45
29-2031	Cardiovascular Technologists and Technicians	1,720	2,110	390	22.7%	62	\$22.98
29-2032	Diagnostic Medical Sonographers	1,890	2,210	320	16.9%	58	\$27.18
29-2034	Radiologic Technologists and Technicians	9,740	11,040	1,300	13.3%	262	\$22.87

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29-2071	Medical Records & Health Info. Technicians	6,600	7,550	950	14.4%	274	\$14.98
31-2011	Occupational Therapist Assistants	2,370	2,970	600	25.3%	96	\$22.92
31-2021	Physical Therapist Assistants	4,590	6,050	1,460	31.8%	205	\$22.64
43-6012	Legal Secretaries	9,100	9,910	810	8.9%	226	\$17.25
49-9062	Medical Equipment Repairers	1,290	1,510	220	17.1%	58	\$23.64
Occupations Requiring a Bachelor's Degree							
11-9021	Construction Managers	11,290	12,860	1,570	13.9%	332	\$44.80
11-9141	Property, Real Estate & Community Assn Mgrs	2,870	3,210	340	11.8%	74	\$30.86
11-9151	Social and Community Service Managers	3,350	4,170	820	24.5%	146	\$27.95
13-1051	Cost Estimators	10,770	12,360	1,590	14.8%	379	\$27.92
13-1071	Employment, Recruitment & Placement Specialists	5,790	6,640	850	14.7%	210	\$23.31
13-1072	Comp., Benefits & Job Analysis Specialists	3,780	4,200	420	11.1%	123	\$26.46
13-1081	Logisticians	2,430	2,630	200	8.2%	56	\$32.43
13-2011	Accountants and Auditors	49,080	54,020	4,940	10.1%	1,357	\$28.41
13-2021	Appraisers and Assessors of Real Estate	2,880	3,700	820	28.5%	140	\$23.52
13-2041	Credit Analysts	2,210	2,090	-120	-5.4%	85	\$25.56
13-2051	Financial Analysts	6,920	8,550	1,630	23.6%	202	\$33.63
13-2052	Personal Financial Advisors	4,700	6,300	1,600	34.0%	202	\$41.04
13-2053	Insurance Underwriters	4,640	4,960	320	6.9%	156	\$27.71
13-2072	Loan Officers	11,650	12,610	960	8.2%	221	\$24.92
13-2081	Tax Examiners, Collectors & Revenue Agents	2,200	2,130	-70	-3.2%	56	\$27.10
15-1021	Computer Programmers	13,910	12,430	-1,480	-10.6%	290	\$30.70
15-1031	Computer Software Engineers, Applications	16,440	22,840	6,400	38.9%	880	\$37.29
15-1032	Comp. Software Engineers, Systems Software	7,330	8,920	1,590	21.7%	266	\$39.17
15-1051	Computer Systems Analysts	15,490	18,680	3,190	20.6%	730	\$34.21
15-1061	Database Administrators	4,960	6,170	1,210	24.4%	174	\$32.47
15-1071	Network and Computer Systems Administrators	12,020	14,510	2,490	20.7%	523	\$29.98
15-1081	Network Systems & Data Comm. Analysts	7,970	11,790	3,820	47.9%	544	\$34.32
17-1011	Architects, except Landscape and Naval	3,660	3,840	180	4.9%	87	\$36.02
17-1022	Surveyors	1,500	1,670	170	11.3%	63	\$27.84
17-2011	Aerospace Engineers	4,330	4,450	120	2.8%	98	\$43.02
17-2051	Civil Engineers	5,990	6,460	470	7.8%	205	\$32.88
17-2071	Electrical Engineers	4,440	4,500	60	1.4%	109	\$33.59
17-2072	Electronics Engineers, except Computer	3,390	3,280	-110	-3.2%	79	\$39.70
17-2081	Environmental Engineers	1,850	2,300	450	24.3%	99	\$37.03
17-2112	Industrial Engineers	12,990	14,670	1,680	12.9%	481	\$33.87
17-2141	Mechanical Engineers	11,350	10,630	-720	-6.3%	246	\$31.97
19-2031	Chemists	3,490	3,540	50	1.4%	97	\$30.17
19-3021	Market Research Analysts	6,970	7,890	920	13.2%	139	\$30.66
19-4021	Biological Technicians	2,350	2,710	360	15.3%	120	\$16.70
21-1011	Substance Abuse & Behavioral Dis. Counselors	2,470	3,310	840	34.0%	134	\$18.52
21-1021	Child, Family and School Social Workers	8,200	9,760	1,560	19.0%	330	\$17.08
21-1022	Medical and Public Health Social Workers	5,970	7,430	1,460	24.5%	272	\$20.68
21-1091	Health Educators	1,610	2,030	420	26.1%	61	\$20.63
21-2021	Directors, Religious Activities and Education	6,570	7,860	1,290	19.6%	280	\$19.32
25-2012	Kindergarten Teachers, ex. Special Education	5,950	6,600	650	10.9%	163	\$49,430**
25-2021	Elementary School Teachers, ex. Special Ed.	54,320	58,770	4,450	8.2%	1,631	\$51,880**

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25-2022	Middle School Teachers, ex. Special & Voc. Ed.	30,100	31,830	1,730	5.7%	830	\$53,290**
25-2031	Secondary Sch. Teachers, ex. Spec. & Voc. Ed.	52,540	52,750	210	0.4%	1,586	\$53,420**
25-2041	Special Ed. Teachers, Pre./Kinder./Elem. Sch.	8,470	9,630	1,160	13.7%	304	\$50,780**
25-2042	Special Education Teachers, Middle School	6,220	6,870	650	10.5%	203	\$53,350**
25-2043	Special Education Teachers, Secondary School	9,990	10,280	290	2.9%	251	\$52,230**
27-1014	Multi-Media Artists and Animators	2,070	2,460	390	18.8%	87	\$23.14
27-1021	Commercial and Industrial Designers	2,620	2,710	90	3.4%	79	\$24.93
27-1024	Graphic Designers	10,560	11,050	490	4.6%	330	\$19.70
27-3022	Reporters and Correspondents	2,480	2,380	-100	-4.0%	78	\$19.90
27-3031	Public Relations Specialists	6,740	7,470	730	10.8%	124	\$25.83
27-3041	Editors	3,660	3,420	-240	-6.6%	109	\$22.90
27-3042	Technical Writers	1,490	1,590	100	6.7%	55	\$26.78
27-3043	Writers and Authors	3,310	3,380	70	2.1%	67	\$23.77
29-1031	Dietitians and Nutritionists	2,630	2,780	150	5.7%	82	\$23.64
29-2011	Medical and Clinical Laboratory Technologists	6,580	7,290	710	10.8%	170	\$23.65
29-9011	Occupational Health and Safety Specialists	1,920	2,060	140	7.3%	51	\$32.54
41-2021	Insurance Sales Agents	28,040	30,980	2,940	10.5%	903	\$25.99
41-3031	Securities/Commodities/Fin. Serv. Sales Agents	13,960	15,800	1,840	13.2%	542	\$32.62
Occupations Requiring Work Experience plus a Bachelor's or Higher Degree							
11-1011	Chief Executives	16,930	16,310	-620	-3.7%	463	\$71.66
11-1021	General and Operations Managers	56,770	54,430	-2,340	-4.1%	1,369	\$47.17
11-2021	Marketing Managers	3,800	4,080	280	7.4%	112	\$49.66
11-2022	Sales Managers	9,160	9,580	420	4.6%	246	\$50.46
11-3011	Administrative Services Managers	6,300	6,750	450	7.1%	212	\$38.01
11-3021	Computer and Information Systems Managers	8,620	9,440	820	9.5%	221	\$51.23
11-3031	Financial Managers	13,930	14,690	760	5.5%	279	\$49.10
11-3061	Purchasing Managers	2,780	2,680	-100	-3.6%	80	\$38.95
11-9031	Education Admin., Pre & Child Care Center/Prog.	2,040	2,330	290	14.2%	86	\$19.21
11-9032	Education Admin., Elem. & Secondary School	10,900	11,160	260	2.4%	330	\$88,550**
11-9033	Education Administrators, Postsecondary	2,650	2,880	230	8.7%	97	\$48.38
11-9041	Engineering Managers	6,350	6,350	0	0.0%	129	\$49.04
11-9111	Medical and Health Services Managers	10,910	12,550	1,640	15.0%	368	\$37.40
13-1073	Training and Development Specialists	7,860	8,930	1,070	13.6%	276	\$24.03
13-1111	Management Analysts	23,600	26,630	3,030	12.8%	706	\$36.75
25-2032	Vocational Education Teachers, Secondary Sch.	6,890	6,240	-650	-9.4%	205	\$57,030**
27-1011	Art Directors	2,560	2,690	130	5.1%	73	\$38.96
27-2012	Producers and Directors	1,980	2,080	100	5.1%	69	\$28.01
27-2041	Music Directors and Composers	2,110	2,420	310	14.7%	74	\$39.65
Occupations Requiring a Master's Degree							
19-2041	Environmental Scientists/Specialists, inc. Health	2,720	3,070	350	12.9%	105	\$28.93
21-1012	Educational, Vocational, & School Counselors	8,320	8,850	530	6.4%	218	\$28.04
21-1014	Mental Health Counselors	2,780	3,610	830	29.9%	138	\$19.85
21-1015	Rehabilitation Counselors	3,740	4,170	430	11.5%	117	\$19.25
21-1023	Mental Health & Substance Abuse Social Work.	5,200	6,750	1,550	29.8%	265	\$17.15
25-9031	Instructional Coordinators	6,110	7,150	1,040	17.0%	188	\$29.64
29-1071	Physician Assistants	1,580	1,950	370	23.4%	59	\$38.12
29-1122	Occupational Therapists	4,210	5,180	970	23.0%	159	\$33.95

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Code	Occupational Title*	Employment		Change in Employment		Total Annual Openings	Average Wage May 07
		2006 Annual	2016 Projected	2006 - 2016	Percent		
29-1123	Physical Therapists	6,820	8,510	1,690	24.8%	251	\$34.80
29-1127	Speech-Language Pathologists	5,040	5,410	370	7.3%	134	\$35.57
Occupations Requiring a Doctoral Degree							
15-1011	Computer and Information Scientists, Research	1,570	1,750	180	11.5%	60	\$45.84
19-1042	Medical Scientists, except Epidemiologists	1,560	1,780	220	14.1%	70	\$29.14
19-3031	Clinical, Counseling and School Psychologists	4,600	5,020	420	9.1%	113	\$38.23
25-1000	Postsecondary Teachers	45,900	53,690	7,790	17.0%	1,547	\$66,157**
Occupations Requiring a First Professional Degree							
23-1011	Lawyers	22,570	24,710	2,140	9.5%	642	\$48.42
29-1011	Chiropractors	2,070	2,380	310	15.0%	54	\$50.88
29-1021	Dentists, General	4,820	4,940	120	2.5%	106	\$76.14
29-1051	Pharmacists	10,010	11,540	1,530	15.3%	326	\$46.04
29-1062	Family and General Practitioners	6,240	6,850	610	9.8%	174	\$77.33
29-1063	Internists, General	3,240	3,520	280	8.6%	86	\$73.59
29-1065	Pediatricians, General	2,230	2,440	210	9.4%	61	\$70.87
29-1067	Surgeons	2,430	2,620	190	7.8%	63	\$96.52
29-1131	Veterinarians	1,920	2,500	580	30.2%	96	\$43.56

*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

PS = Postsecondary

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, November 2008.

Dictionary of Occupations

Standard Occupational Classification (SOC)

A			
Abstractors, Title Examiners, and Searchers	23-2093	Art Directors	27-1011
AC, Heating, & Refrigeration Mechanics/Installers	49-9021	Artists and Related Workers, All Other	27-1019
Account and Bill Collectors	43-3011	Artists, Inc. Painters, Sculptors, & Illustrators	27-1013
Accountants and Auditors	13-2011	Assemblers and Fabricators, All Other	51-2099
Accounting, Bookkeeping, and Auditing Clerks	43-3031	Assessors and Appraisers of Real Estate	13-2021
Actuaries	15-2011	Athletes and Sports Competitors	27-2021
Adjudicators, Admin. Law Judges, & Hearing Off.	23-1021	Athletic Trainers	29-9091
Admin. Assistants & Executive Secretaries	43-6011	ATM, Computer, & Office Machine Repairers	49-2011
Admin. Law Judges, Adjudicators, & Hearing Off.	23-1021	Atmospheric and Space Scientists	19-2021
Administrative Services Managers	11-3011	Audio and Video Equipment Technicians	27-4011
Adult Literacy, Remedial Ed., & GED Teachers	25-3011	Audiologists	29-1121
Advertising and Promotions Managers	11-2011	Audio-Visual Collections Specialists	25-9011
Advertising Sales Agents	41-3011	Auditing, Bookkeeping, and Accounting Clerks	43-3031
Aerobics Instructors and Fitness Trainers	39-9031	Auditors and Accountants	13-2011
Aerospace Engineering & Operations Tech.	17-3021	Authors and Writers	27-3043
Aerospace Engineers	17-2011	Automotive Body and Related Repairers	49-3021
Agents/Business Mgrs. Artist/Performer/Athlete	13-1011	Automotive Glass Installers and Repairers	49-3022
Agricultural and Food Science Technicians	19-4011	Automotive Service Technicians and Mechanics	49-3023
Agricultural Equipment Operators	45-2091	Avionics Technicians	49-2091
Agricultural Inspectors	45-2011	B	
Agricultural Workers, All Other	45-2099	Baggage Porters and Bellhops	39-6011
Air Traffic Controllers	53-2021	Bailiffs	33-3011
Aircraft Cargo Handling Supervisors	53-1011	Bakers	51-3011
Aircraft Mechanics and Service Technicians	49-3011	Bar Helpers & Dining Room & Cafeteria Attend.	35-9011
Aircraft Structure/Surfaces/Rigging/Sys. Assemb.	51-2011	Barbers	39-5011
Ambulance Drivers & Attendants, Except EMT	53-3011	Bartenders	35-3011
Ambulance, Police, and Fire Dispatchers	43-5031	Behavioral Dis. & Substance Abuse Counselors	21-1011
Amusement and Recreation Attendants	39-3091	Bellhops and Baggage Porters	39-6011
Amusement/Coin/Vending Machine Serv/Repair	49-9091	Bench Carpenters and Cabinetmakers	51-7011
Anesthesiologists	29-1061	Benefits and Compensation Managers	11-3041
Animal Breeders	45-2021	Benefits, Comp., & Job Analysis Specialists	13-1072
Animal Control Workers	33-9011	Bill and Account Collectors	43-3011
Animal Scientists	19-1011	Billing & Posting Clerks & Machine Operators	43-3021
Animal Trainers	39-2011	Bindery Workers	51-5011
Animators and Multi-Media Artists	27-1014	Biochemists and Biophysicists	19-1021
Answering Service and Switchboard Operators	43-2011	Biological Scientists, All Other	19-1029
Appraisers and Assessors of Real Estate	13-2021	Biological Technicians	19-4021
Arbitrators, Mediators, and Conciliators	23-1022	Biomedical Engineers	17-2031
Architects, Except Landscape and Naval	17-1011	Blockmasons and Brickmasons	47-2021
Architectural and Civil Drafters	17-3011	Boilermakers	47-2011
Archivists	25-4011	Bookbinders	51-5012
		Bookkeeping, Accounting, and Auditing Clerks	43-3031

Dictionary of Occupations Standard Occupational Classification (SOC)

Boring & Drilling Machine Tool Setters, O/T, M/P	51-4032	Child Care Workers	39-9011
Brazers, Welders, Cutters, and Solderers	51-4121	Child, Family, and School Social Workers	21-1021
Brick/Block/Stone/Tile & Marble Setters--Helpers	47-3011	Child, Family, and School Social Workers	21-1021
Brickmasons and Blockmasons	47-2021	Chiropractors	29-1011
Broadcast Technicians	27-4012	Civil and Architectural Drafters	17-3011
Brokerage Clerks	43-4011	Civil Engineering Technicians	17-3022
Budget Analysts	13-2031	Civil Engineers	17-2051
Building and Construction Inspectors	47-4011	Claims Adjusters, Examiners, and Investigators	13-1031
Building Cleaning Workers, All Other	37-2019	Cleaners of Vehicles and Equipment	53-7061
Bus & Truck Mechanics & Diesel Engine Spec.	49-3031	Cleaning/Washing/Metal Pickling Equipment O/T	51-9192
Bus Drivers, School	53-3022	Clergy	21-2011
Bus Drivers, Transit and Intercity	53-3021	Clinical Laboratory and Medical Technicians	29-2012
Business Mgrs./Agents Artist/Performer/Athlete	13-1011	Clinical Laboratory and Medical Technologists	29-2011
Business Operations Specialists, All Other	13-1199	Clinical, Counseling, and School Psychologists	19-3031
Butchers and Meat Cutters	51-3021	Coaches and Scouts	27-2022
Buyers and Purchasing Agents, Farm Products	13-1021	Coating, Painting, and Decorating Workers	51-9123
C		Coating/Painting/Spraying Machine Setters, O/T	51-9121
Cabinetmakers and Bench Carpenters	51-7011	Coating/Painting/Spraying Machine Setters, O/T	51-9121
Camera & Photographic Equipment Repairers	49-9061	Coatroom/Locker Room/Dressing Rm Attendants	39-3093
Camera Operators, TV, Video, & Motion Picture	27-4031	Coil Winders, Tapers, and Finishers	51-2021
Captains, Mates, and Pilots of Water Vessels	53-5021	Coin/Vending/Amusement Machine Serv/Repair	49-9091
Cardiovascular Technologists and Technicians	29-2031	Collectors, Tax Examiners, & Revenue Agents	13-2081
Cargo and Freight Agents	43-5011	Comb. Food Prep. & Serv. Work, Inc. Fast Food	35-3021
Carpenters	47-2031	Commercial and Industrial Designers	27-1021
Carpenter's Helpers	47-3012	Commercial/Indus Equip. Elect./Electron. Repair	49-2094
Carpenters, Bench and Cabinetmakers	51-7011	Commodities/Securities/Fin. Serv. Sales Agents	41-3031
Carpet Installers	47-2041	Communications Equipment Operators, All Other	43-2099
Cartographers and Photogrammetrists	17-1021	Community & Social Service Specialists, AO	21-1099
Cashiers	41-2011	Community Assn, Property, & Real Estate Mgrs	11-9141
Casters and Pourers, Metal	51-4052	Comp. Software Engineers, Systems Software	15-1032
Ceiling Tile and Drywall Installers	47-2081	Comp., Benefits, & Job Analysis Specialists	13-1072
Cement Masons and Concrete Finishers	47-2051	Compensation and Benefits Managers	11-3041
Cementing/Gluing Machine Operators/Tenders	51-9191	Compl. Off., Ex. Agric, Con, Hlth/Safety, & Trans.	13-1041
Channeling and Mine Cutting Machine Operators	47-5042	Composers and Music Directors	27-2041
Chauffeurs and Taxi Drivers	53-3041	Computer and Information Scientists, Research	15-1011
Chefs and Head Cooks	35-1011	Computer and Information Systems Managers	11-3021
Chemical Engineers	17-2041	Computer Hardware Engineers	17-2061
Chemical Equipment Operators and Tenders	51-9011	Computer Operators	43-9011
Chemical Plant and System Operators	51-8091	Computer Programmers	15-1021
Chemical Technicians	19-4031	Computer Software Engineers, Applications	15-1031
Chemists	19-2031	Computer Specialists, All Other	15-1099
Chief Executives	11-1011	Computer Support Specialists	15-1041

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Computer Systems Analysts	15-1051	Credit Authorizers, Checkers, and Clerks	43-4041
Computer Systems and Network Administrators	15-1071	Criminal Investigators and Detectives	33-3021
Computer, ATM, & Office Machine Repairers	49-2011	Crossing Guards	33-9091
Computer-Controlled Machine Tool Oper., M/P	51-4011	Crushing/Grinding/Polishing Machine S/O/T	51-9021
Con. Trades/Extract. Work First-Line Sup/Mgrs	47-1011	Curators	25-4012
Concierges	39-6012	Customer Service Representatives	43-4051
Conciliators, Arbitrators, and Mediators	23-1022	Cutters and Trimmers, Hand	51-9031
Concrete Finishers and Cement Masons	47-2051	Cutters, Welders, Solderers, and Brazers	51-4121
Conservation and Forest Technicians	19-4093	Cutting/Punching/Press Machine S/O/T, M/P	51-4031
Conservation and Forest Workers	45-4011	Cutting/Slicing Mach. Setters/Operators/Tenders	51-9032
Conservation Scientists	19-1031	D	
Conservators and Museum Technicians	25-4013	Dancers	27-2031
Construction and Building Inspectors	47-4011	Data Comm. & Network Systems Analysts	15-1081
Construction and Related Workers, All Other	47-4099	Data Entry Keyers	43-9021
Construction Laborers	47-2061	Database Administrators	15-1061
Construction Managers	11-9021	Decorating, Painting, and Coating Workers	51-9123
Continuous Mining Machine Operators	47-5041	Dental Assistants	31-9091
Control & Valve Install/Repair, Ex. Mech. Door	49-9012	Dental Hygienists	29-2021
Convention and Meeting Planners	13-1121	Dental Laboratory Technicians	51-9081
Conveyor Operators and Tenders	53-7011	Dentists, General	29-1021
Cooks, All Other	35-2019	Designers, All Other	27-1029
Cooks, Fast Food	35-2011	Desktop Publishers	43-9031
Cooks, Institution and Cafeteria	35-2012	Detectives and Criminal Investigators	33-3021
Cooks, Restaurant	35-2014	Detectives and Investigators, Private	33-9021
Cooks, Short Order	35-2015	Diagnostic Medical Sonographers	29-2032
Cooling/Freezing Equipment Operators/Tenders	51-9193	Dialysis Technician	29--9099
Copy Markers and Proofreaders	43-9081	Dietetic Technicians	29-2051
Correct. Treatment & Probation Officers Spec.	21-1092	Dietitians and Nutritionists	29-1031
Correctional Officers and Jailers	33-3012	Dining Room & Cafeteria Attend. & Bar Helpers	35-9011
Correctional Officers, First-Line Superv./Mgrs	33-1011	Dinkey Operators/Rail Yard Engineers/Hostlers	53-4013
Correspondence Clerks	43-4021	Directors and Producers	27-2012
Cosmetologists, Hairdressers, and Hairstylists	39-5012	Directors, Religious Activities and Education	21-2021
Cost Estimators	13-1051	Dishwashers	35-9021
Counseling, Clinical, and School Psychologists	19-3031	Dispatchers, Except Police, Fire, & Ambulance	43-5032
Counselors, All Other	21-1019	Dispatchers, Police, Fire, and Ambulance	43-5031
Counter and Rental Clerks	41-2021	Distribution, Transportation & Storage Managers	11-3071
Counter Attend., Café/Food Concess/Coffee Sh.	35-3022	Dog Groomer	39-2021
Couriers and Messengers	43-5021	Door-To-Door Sales, News/St. Vendors, & Rel.	41-9091
Court Reporters	23-2091	Drafters, All Other	17-3019
Court, Municipal, and License Clerks	43-4031	Dragline & Excavating & Loading Machine Oper.	53-7032
Crane and Tower Operators	53-7021	Dredge Operators	53-7031
Credit Analysts	13-2041	Dressing Rm/Locker Room/Coatroom Attendants	39-3093

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Dressmakers, Tailors, and Custom Sewers	51-6052	Entertain. & Perform., Sports & Rel. Work., AO	27-2099
Drilling & Boring Machine Tool Setters, O/T, M/P	51-4032	Environ. Science & Protection Tech., Inc. Health	19-4091
Driver/Sales Workers	53-3031	Environmental Engineering Technicians	17-3025
Dry-Cleaning and Laundry Workers	51-6011	Environmental Engineers	17-2081
Drywall and Ceiling Tile Installers	47-2081	Environmental Scientists/Specialists, Inc. Health	19-2041
£			
Earth Drillers, Except Oil and Gas	47-5021	Ergonomist	29-9011
Economists	19-3011	Etchers and Engravers	51-9194
Editors	27-3041	Excavating & Loading Machine & Dragline Oper.	53-7032
Education Admin., Elem. & Secondary School	11-9032	Executive Secretaries & Admin. Assistants	43-6011
Education Admin., Pre & Child Care Center/Prog.	11-9031	Exhibit and Set Designers	27-1027
Education Administrators, Postsecondary	11-9033	Expediting, Production, and Planning Clerks	43-5061
Education, and Religious Activities Directors	21-2021	Extraction Workers' Helpers	47-5081
Education, Training, & Library Workers, AO	25-9099	Extraction Workers, All Other	47-5099
Educational, Vocational, & School Counselors	21-1012	Extrud/Form Mach. S/O/T, Synthetic/Glass Fibers	51-6091
Electric Motor, Power Tool, & Related Repairers	49-2092	Extrud/Form/Pressing/Compacting Mach. S/O/T	51-9041
Electrical & Electronic Engineering Technicians	17-3023	Extruding & Drawing Machine Setters, O/T, M/P	51-4021
Electrical & Electronic Equipment Assemblers	51-2022	ƒ	
Electrical and Electronics Drafters	17-3012	Family and General Practitioners	29-1062
Electrical Engineers	17-2071	Family and Marriage Therapists	21-1013
Electrical Power-Line Installers and Repairers	49-9051	Farm Equipment Mechanics	49-3041
Electrical/Electronics Install/Repair, Trans. Equip.	49-2093	Farm, Ranch, and Other Agricultural Managers	11-9011
Electrical/Electronics Repair, Comm/Indus Equip.	49-2094	Farmers and Ranchers	11-9012
Electrical/Electronics Repair, Pwrhse/Substa/Rly	49-2095	Farming/Fishing/Forestry Wrks., FL Sup/Mgrs	45-1011
Electricians	47-2111	Farmworkers, Farm and Ranch Animals	45-2093
Electrician's Helpers	47-3013	Farmworkers/Laborers, Crop/Nursery/Greenhse	45-2092
Electromechanical Equipment Assemblers	51-2023	Fashion Designers	27-1022
Electro-Mechanical Technicians	17-3024	Fast Food, Food Prep. & Service Work Comb.	35-3021
Electronic Equipment Install/Repair, Motor Veh.	49-2096	Fence Erectors	47-4031
Electronic Home Entertainm Equip. Install/Repair	49-2097	Fiberglass Laminators and Fabricators	51-2091
Electronics Engineers, Except Computer	17-2072	File Clerks	43-4071
Elementary School Teachers, Ex.Special Ed.	25-2021	Filling & Packaging Machine Operators/Tenders	51-9111
Elevator Installers and Repairers	47-4021	Film and Video Editors	27-4032
Eligibility Interviewers, Government Programs	43-4061	Financial Analysts	13-2051
Embalmers	39-4011	Financial Examiners	13-2061
Emergency Management Specialists	13-1061	Financial Managers	11-3031
Emergency Medical Technicians & Paramedics	29-2041	Financial Specialists, All Other	13-2099
Empl., Recruitment, & Placement Specialists	13-1071	Finishers, Coil Winders, and Tapers	51-2021
Engine and Other Machine Assemblers	51-2031	Fire Alarm Systems and Security Installers	49-2098
Engineering Managers	11-9041	Fire Fighters	33-2011
Engineers, All Other	17-2199	Fire Fighting & Prev. Workers, FL Sup/Mgrs	33-1021
Engravers and Etchers	51-9194	Fire Inspectors and Investigators	33-2021
		Fire, Police and Ambulance Dispatchers	43-5031

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First-Line Sup./Mgrs of Non-Retail Sales Workers	41-1012	Funeral Attendants	39-4021
First-Line Sup/Mgrs of Con. Trades/Extract. Work	47-1011	Funeral Directors	11-9061
First-Line Sup/Mgrs of Office & Admin. Support	43-1011	Furnace Operators and Tenders, Metal-Refining	51-4051
First-Line Sup/Mgrs of Personal Serv. Workers	39-1021	Furnace/Kiln/Oven/Drier/Kettle Oper./Tenders	51-9051
First-Line Sup/Mgrs, Protective Serv. Work., AO	33-1099	Furniture Finishers	51-7021
First-Line Superv./Mgrs of Correctional Officers	33-1011	G	
First-Line Superv./Mgrs of Police & Detectives	33-1012	Game and Fish Wardens	33-3031
First-Line Superv./Mgrs of Retail Sales Workers	41-1011	Garage Door Repairers	49-9011
Fish and Game Wardens	33-3031	Gas and Oil Rotary Drill Operators	47-5012
Fish, Meat, and Poultry Cutters and Trimmers	51-3022	Gas Compressor & Gas Pumping Station Oper.	53-7071
Fitness Trainers and Aerobics Instructors	39-9031	Gas Plant Operators	51-8092
FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	53-1031	Gas Station Attendants	53-6021
FL Sup/Mgrs of Farming/Fishing/Forestry Wrks.	45-1011	Gas, Oil, and Mining Service Unit Operators	47-5013
FL Sup/Mgrs of Fire Fighting & Prev. Workers	33-1021	GED, Adult Literacy, & Remedial Ed. Teachers	25-3011
FL Sup/Mgrs of Food Prep. & Serving Workers	35-1012	General and Family Practitioners	29-1062
FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	53-1021	General and Operations Managers	11-1021
FL Sup/Mgrs of Housekping & Janitorial Workers	37-1011	Geological and Petroleum Technicians	19-4041
FL Sup/Mgrs of Lndscap./Lawn Ser/Groundskp	37-1012	Geoscientists, Ex. Hydrologists & Geographers	19-2042
FL Sup/Mgrs of Mechanics/Installers/Repairers	49-1011	Glass Installers and Repairers, Automotive	49-3022
FL Sup/Mgrs of Production/Operating Workers	51-1011	Glaziers	47-2121
Floor Layers, Ex. Carpet, Wood, & Hard Tiles	47-2042	Gluing/Cementing Machine Operators/Tenders	51-9191
Floral Designers	27-1023	Golf Pro and Tennis Pro	27-2022
Food Batchmakers	51-3092	Graders and Sorters, Agricultural Products	45-2041
Food Cooking Machine Operators and Tenders	51-3093	Graphic Designers	27-1024
Food Prep. & Serv. Work Comb., Inc. Fast Food	35-3021	Grind/Lapping/Polish/Buff Mach.Tool S/O/T, M/P	51-4033
Food Prep. & Serving Related Workers, AO	35-9099	Grinding and Polishing Workers, Hand	51-9022
Food Prep. & Serving Workers, FL Sup/Mgrs	35-1012	Grinding/Crushing/Polishing Machine S/O/T	51-9021
Food Preparation Workers	35-2021	Grounds Maintenance Workers, All Other	37-3019
Food Science and Agricultural Technicians	19-4011	Groundskeeping and Landscaping Workers	37-3011
Food Scientists and Technologists	19-1012	Groundskp,Lndscap./Lawn Ser, FL Sup/Mgrs	37-1012
Food Servers, Nonrestaurant	35-3041	Gynecologists and Obstetricians	29-1064
Food Service Managers	11-9051	H	
Food/Tobacco Roast/Baking/ Drying Mach. O/T	51-3091	Hairdressers, Hairstylists, and Cosmetologists	39-5012
Forest and Conservation Technicians	19-4093	Hazardous Materials Removal Workers	47-4041
Forest and Conservation Workers	45-4011	Health Diagnosing & Treating Practitioners, AO	29-1199
Foresters	19-1032	Health Educators	21-1091
Forging Mach. Setters/Operators/Tenders, M/P	51-4022	Health Info. And Medical Records Technicians	29-2071
Forklift Operators	53-7051	Health Services and Medical Managers	11-9111
Form/Extrud Mach. S/O/T, Synthetic/Glass Fibers	51-6091	Health Technologists & Technicians, All Other	29-2099
Foundry Mold and Coremakers	51-4071	Healthcare Practitioners & Technical Workers, AO	29-9099
Freezing/Cooling Equipment Operators/Tenders	51-9193	Healthcare Support Workers, All Other	31-9099
Freight and Cargo Agents	43-5011	Hearing Off., Admin. Law Judges, & Adjudicators	23-1021

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Heat Treating Equip. Setters, O/T, M/P	51-4191	Installation/Maintenance/Repair Workers, AO	49-9099
Heath & Safety Engineers, Ex. Mining Safety	17-2111	Installation/Maintenance/Repair Workers--Helpers	49-9098
Heating, AC, & Refrigeration Mechanics/Installers	49-9021	Installers/Mechanics/Repairers, FL Sup/Mgrs	49-1011
Help/Labor/Mat. Movers, Hand, FL Sup/Mgrs	53-1021	Instructional Coordinators	25-9031
Helpers, Construction Trades, All Other	47-3019	Insulation Workers, Floor, Ceiling and Wall	47-2131
Helpers--Brick/Block/Stone/Tile & Marble Setters	47-3011	Insulation Workers, Mechanical	47-2132
Helpers--Carpenters	47-3012	Insurance Appraisers, Auto Damage	13-1032
Helpers--Electricians	47-3013	Insurance Claims and Policy Processing Clerks	43-9041
Helpers--Extraction Workers	47-5081	Insurance Sales Agents	41-3021
Helpers--Installation/Maintenance/Repair Workers	49-9098	Insurance Underwriters	13-2053
Helpers--Painters/Paper/Plasterers/Stucco Mas.	47-3014	Interior Designers	27-1025
Helpers--Pipelayers/Plumbers/Pipefitters/Steamf	47-3015	Internists, General	29-1063
Helpers--Production Workers	51-9198	Interpreters and Translators	27-3091
Helpers--Roofers	47-3016	Interviewers, Except Eligibility and Loan	43-4111
Highway Maintenance Workers	47-4051	J	
Home Appliance Repairers	49-9031	Jailers and Correctional Officers	33-3012
Home Health Aides	31-1011	Janitorial & Housekping Workers, FL Sup/Mgrs	37-1011
Horse Groomer	45-2093	Janitors & Cleaners, Ex. Maids/Hseking Clean.	37-2011
Hostlers/Rail Yard Engineers/Dinkey Operators	53-4013	Jewelers & Precious Stone & Metal Workers	51-9071
Hosts & Hostesses, Rest./Lounge/Coffee Shop	35-9031	Job Analysis, Comp., & Benefits Specialists	13-1072
Hotel, Motel, and Resort Desk Clerks	43-4081	Job Printers	51-5021
House Parent	39-9041	Judges, Magistrate Judges, and Magistrates	23-1023
Housekeeping Cleaners and Maids	37-2012	K	
Housekping & Janitorial Workers, FL Sup/Mgrs	37-1011	Kiln/Furnace/Oven/Drier/Kettle Oper./Tenders	51-9051
Human and Social Service Assistants	21-1093	Kindergarten Teachers, Ex. Special Education	25-2012
Human Resource/Training/Labor Rel. Spec., AO	13-1079	L	
Human Resources Assis., Ex. Payroll & Timekp	43-4161	Laborers, Construction	47-2061
Human Resources Managers, All Other	11-3049	Laborers/Freight/Stock/Material Movers, Hand	53-7062
J		Landscap./Lawn Ser/Groundskp, FL Sup/Mgr	37-1012
Illustrators/Painters/Sculptors & Other Fine Artists	27-1013	Landscape Architects	17-1012
Industrial and Commercial Designers	27-1021	Landscapeing and Groundskeeping Workers	37-3011
Industrial Engineering Technicians	17-3026	Lathe & Turning Machine Tool Setters, O/T, M/P	51-4034
Industrial Engineers	17-2112	Laundry and Dry-Cleaning Workers	51-6011
Industrial Machinery Mechanics	49-9041	Law Clerks	23-2092
Industrial Production Managers	11-3051	Lawn Ser/Lndscap./Groundskp, FL Sup/Mgrs	37-1012
Industrial Truck and Tractor Operators	53-7051	Lawyers	23-1011
Industrial-Organizational Psychologists	19-3032	Lay-Out Workers, Metal and Plastic	51-4192
Information and Record Clerks, All Other	43-4199	Legal Assistants and Paralegals	23-2011
Information Clerks and Receptionists	43-4171	Legal Secretaries	43-6012
Information Systems and Computer Managers	11-3021	Legal Support Workers, All Other	23-2099
Information Technology Scientists, Research	15-1011	Librarians	25-4021
Inspectors/Testers/Sorters/Samplers/Weighers	51-9061	Library Assistants, Clerical	43-4121

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Library Technicians	25-4031	Materials Scientists	19-2032
License, Court, and Municipal Clerks	43-4031	Meat Cutters and Butchers	51-3021
Licensed Practical & Licensed Vocat. Nurses	29-2061	Meat Packers and Slaughterers	51-3023
Life Scientists, All Other	19-1099	Meat, Poultry, and Fish Cutters and Trimmers	51-3022
Life, Physical, & Social Science Tech., All Other	19-4099	Mechanical Door Repairers	49-9011
Lifeguards/Ski Patrol/Rec. Prot. Serv. Wrks	33-9092	Mechanical Drafters	17-3013
Loading Machine & Excavating & Dragline Oper.	53-7032	Mechanical Engineering Technicians	17-3027
Loan Counselors	13-2071	Mechanical Engineers	17-2141
Loan Interviewers and Clerks	43-4131	Mechanics and Automotive Service Technicians	49-3023
Loan Officers	13-2072	Mechanics and Service Technicians, Aircraft	49-3011
Locker Room/Coatroom/Dressing Rm Attendants	39-3093	Mechanics, Bus & Truck & Diesel Engine Spec.	49-3031
Locksmiths and Safe Repairers	49-9094	Mechanics/Installers/Repairers, FL Sup/Mgrs	49-1011
Locomotive Engineers	53-4011	Media & Communication Equip. Workers, AO	27-4099
Lodging Managers	11-9081	Media and Communication Workers, All Other	27-3099
Log Graders and Scalers	45-4023	Mediators, Arbitrators, and Conciliators	23-1022
Logging Equipment Operators	45-4022	Medical and Clinical Laboratory Technicians	29-2012
Logisticians	13-1081	Medical and Clinical Laboratory Technologists	29-2011
<i>m</i>		Medical and Health Services Managers	11-9111
Machine Feeders and Offbearers	53-7063	Medical and Public Health Social Workers	21-1022
Machinists	51-4041	Medical Appliance Technicians	51-9082
Magistrates, Judges, and Magistrate Judges	23-1023	Medical Assistants	31-9092
Maids and Housekeeping Cleaners	37-2012	Medical Equipment Preparers	31-9093
Mail Carriers, Postal Service	43-5052	Medical Equipment Repairers	49-9062
Mail Clerks & Mail Machine Op., Ex. Postal Serv.	43-9051	Medical Records & Health Info. Technicians	29-2071
Mail Sorters Postal Service/Proc/Proc Mach. Op.	43-5053	Medical Scientists, Except Epidemiologists	19-1042
Mail Superintendents and Postmasters	11-9131	Medical Secretaries	43-6013
Maintenance and Repair Workers, General	49-9042	Medical Transcriptionists	31-9094
Maintenance Workers, Machinery	49-9043	Meeting and Convention Planners	13-1121
Management Analysts	13-1111	Mental Health & Substance Abuse Social Work.	21-1023
Managers, All Other	11-9199	Mental Health Counselors	21-1014
Manicurists and Pedicurists	39-5092	Merchandise Displayers and Window Trimmers	27-1026
Manufactured Building & Mobile Home Installers	49-9095	Messengers and Couriers	43-5021
Mapping and Surveying Technicians	17-3031	Metal Workers and Plastic Workers, All Other	51-4199
Marble and Tile Setters	47-2044	Metal-Refining Furnace Operators and Tenders	51-4051
Marble Setters & Brick/Block/Stone/Tile--Helpers	47-3011	Meter Readers, Utilities	43-5041
Marine Oilers and Sailors	53-5011	Microbiologists	19-1022
Market Research Analysts	19-3021	Middle School Teachers, Ex. Special & Voc. Ed.	25-2022
Marketing Managers	11-2021	Milling & Planing Machine Setters, O/T, M/P	51-4035
Marriage and Family Therapists	21-1013	Millwrights	49-9044
Massage Therapists	31-9011	Mine Cutting & Channeling Machine Operators	47-5042
Material Moving Workers, All Other	53-7199	Mining Machine Operators, Continuous	47-5041
Materials Engineers	17-2131	Mixing/Blending Mach. Setter/Operator/Tenders	51-9023

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Mobile Heavy Equip. Mechanics, Ex. Engines	49-3042	Office Machine, Computer, & ATM Repairers	49-2011
Mobile Home & Manufactured Building Installers	49-9095	Oil and Gas Rotary Drill Operators	47-5012
Model Makers, Metal and Plastic	51-4061	Oil and Gas Roustabouts	47-5071
Molders/Shapers/Casters, Ex. Metal & Plastic	51-9195	Oil, Gas, and Mining Service Unit Operators	47-5013
Molding/Coremaking/Casting Mach. S/O/T, M/P	51-4072	Operating Engineers & Other Con. Equip. Op.	47-2073
Motel, Hotel, and Resort Desk Clerks	43-4081	Operations and General Managers	11-1021
Motion Picture Projectionists	39-3021	Operations Research Analysts	15-2031
Motor Veh. Electronic Equipment Install/Repair	49-2096	Ophthalmic Laboratory Technicians	51-9083
Motor Vehicle Operators, All Other	53-3099	Opticians, Dispensing	29-2081
Motorboat Mechanics	49-3051	Optometrists	29-1041
Motorcycle Mechanics	49-3052	Order Clerks	43-4151
Multi-Media Artists and Animators	27-1014	Order Fillers and Stock Clerks	43-5081
Multiple Machine Tool Setters, O/T, M/P	51-4081	Orderlies, Nursing Aides, and Attendants	31-1012
Municipal, Court, and License Clerks	43-4031	Organizational-Industrial Psychologists	19-3032
Museum Technicians and Conservators	25-4013	Orthotists and Prosthetists	29-2091
Music Directors and Composers	27-2041	Outdoor Power Equip. & Other Sm Engine Mech.	49-3053
Musical Instrument Repairers and Tuners	49-9063	P	
Musicians and Singers	27-2042	Packaging & Filling Machine Operators/Tenders	51-9111
n		Packers and Packagers, Hand	53-7064
Natural Sciences Managers	11-9121	Painters, Construction and Maintenance	47-2141
Network and Computer Systems Administrators	15-1071	Painters, Transportation Equipment	51-9122
Network Systems & Data Comm. Analysts	15-1081	Painters/Paper/Plasterers/Stucco Mas.--Helpers	47-3014
New Accounts Clerks	43-4141	Painters/Sculptors/Illustrators & Other Fine Artists	27-1013
Nonfarm Animal Caretakers	39-2021	Painting, Coating, and Decorating Workers	51-9123
Nuclear Engineers	17-2161	Paper Goods Mach. Setters/Operators/Tenders	51-9196
Nuclear Medicine Technologists	29-2033	Paperhangers	47-2142
Nuclear Power Reactor Operators	51-8011	Paralegals and Legal Assistants	23-2011
Nuclear Technicians	19-4051	Paramedics & Emergency Medical Technicians	29-2041
Numerical Tool & Process Control Programmers	51-4012	Park Ranger	19-1031
Nursing Aides, Orderlies, and Attendants	31-1012	Parking Enforcement Workers	33-3041
Nutritionists and Dietitians	29-1031	Parking Lot Attendants	53-6021
o		Parts Salespersons	41-2022
Obstetricians and Gynecologists	29-1064	Patrol Officers, Police and Sheriff	33-3051
Occupational Health & Safety Specialists	29-9011	Patternmakers, Metal and Plastic	51-4062
Occupational Health & Safety Technicians	29-9012	Patternmakers, Wood	51-7032
Occupational Therapist Aides	31-2012	Paving, Surfacing, & Tamping Equip. Operators	47-2071
Occupational Therapist Assistants	31-2011	Payroll and Timekeeping Clerks	43-3051
Occupational Therapists	29-1122	Pediatricians, General	29-1065
Office & Admin. Support, First-Line Sup/Mgrs	43-1011	Pedicurists and Manicurists	39-5092
Office and Administrative Support Workers, AO	43-9199	Personal and Home Care Aides	39-9021
Office Clerks, General	43-9061	Personal Care and Service Workers, All Other	39-9099
Office Machine Operators, Except Computer	43-9071	Personal Financial Advisors	13-2052

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Personal Serv. Workers, First-Line Sup/Mgrs	39-1021	Pourers and Casters, Metal	51-4052
Pest Control Workers	37-2021	Power Plant Operators	51-8013
Pesticide Handlers/Sprayers/Applicators, Veg.	37-3012	Power Tool, Electric Motor & Related Repairers	49-2092
Petroleum and Geological Technicians	19-4041	Precision Instrument/Equipment Repairers, AO	49-9069
Petroleum Engineers	17-2171	Prepress Technicians and Workers	51-5022
Pharmacists	29-1051	Preschool Teachers, Except Special Education	25-2011
Pharmacy Aides	31-9095	Press/Cutting/Punching Machine S/O/T, M/P	51-4031
Pharmacy Technicians	29-2052	Pressers, Textile, Garment, & Related Materials	51-6021
Phlebotomist	31-9099	Principal, School	11-9032
Photogrammetrists and Cartographers	17-1021	Printing Machine Operators	51-5023
Photographers	27-4021	Private Detectives and Investigators	33-9021
Photographic Equipment & Camera Repairers	49-9061	Pro, Golf and Tennis	27-2022
Photographic Process Workers	51-9131	Probation Officers & Correct. Treatment Spec.	21-1092
Photographic Processing Machine Operators	51-9132	Procurement Clerks	43-3061
Physical Scientists, All Other	19-2099	Producers and Directors	27-2012
Physical Therapist Aides	31-2022	Production Workers' Helpers	51-9198
Physical Therapist Assistants	31-2021	Production Workers, All Other	51-9199
Physical Therapists	29-1123	Production, Planning, and Expediting Clerks	43-5061
Physician Assistants	29-1071	Production/Operating Workers, FL Sup/Mgrs	51-1011
Physicians and Surgeons, All Other	29-1069	Promotions and Advertising Managers	11-2011
Physicists	19-2012	Proofreaders and Copy Markers	43-9081
Pipefitters, Plumbers, and Steamfitters	47-2152	Property, Real Estate, & Community Assn Mgrs	11-9141
Pipelayers	47-2151	Prosthetists and Orthotists	29-2091
Pipelayers/Plumbers/Pipefitters/Steamf--Helpers	47-3015	Protective Service Workers, All Other	33-9099
Placement, Empl., & Recruitment Specialists	13-1071	Pruners and Tree Trimmers	37-3013
Plant and Soil Scientists	19-1013	Psychiatric Aides	31-1013
Plant and System Operators, All Other	51-8099	Psychiatric Technicians	29-2053
Plasterers and Stucco Masons	47-2161	Psychiatrists	29-1066
Plating & Coating Machine Setters, O/T, M/P	51-4193	Psychologists, All Other	19-3039
Plumbers, Pipefitters, and Steamfitters	47-2152	Psychologists, Industrial-Organizational	19-3032
Podiatrists	29-1081	Public Address System & Other Announcers	27-3012
Police & Detectives, First-Line Superv./Mgrs	33-1012	Public Health and Medical Social Workers	21-1022
Police and Sheriff's Patrol Officers	33-3051	Public Relations Managers	11-2031
Police, Fire, and Ambulance Dispatchers	43-5031	Public Relations Specialists	27-3031
Polish/Grind/Lapping/Buff Mach.Tool S/O/T, M/P	51-4033	Punching/Cutting/Press Machine S/O/T, M/P	51-4031
Polishing/Crushing/Grinding Machine S/O/T	51-9021	Purchasing Agents and Buyers, Farm Products	13-1021
Postal Service Clerks	43-5051	Purchasing Agents, Ex. Whole., Retail, & Farm	13-1023
Postal Service Mail Carriers	43-5052	Purchasing Clerk	43-3061
Postal Service Mail Sorters/Proc/Proc Mach. Op.	43-5053	Purchasing Managers	11-3061
Postmasters and Mail Superintendents	11-9131		
Postsecondary Teachers	25-1000		
Poultry, Meat, and Fish Cutters and Trimmers	51-3022		
		Q	
		Quality Control Engineer	17-2112
		Quality Control Inspector	51-9061

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Quality Control Technicians	17-3026	Retail Salespersons	41-2031
R		Revenue Agents, Tax Examiners, & Collectors	13-2081
Radiation Therapists	29-1124	Riggers	49-9096
Radio and Television Announcers	27-3011	Rock Splitters, Quarry	47-5051
Radio Mechanics	49-2021	Rolling Machine Setters/Operators/Tenders, M/P	51-4023
Radiologic Technologists and Technicians	29-2034	Roofers	47-2181
Rail Car Repairers	49-3043	Roofers' Helpers	47-3016
Rail Yard Engineers/Dinkey Operators/Hostlers	53-4013	Rotary Drill Operators, Oil and Gas	47-5012
Rail-Track Laying & Maintenance Equip. Oper.	47-4061	Roustabouts, Oil and Gas	47-5071
Ranch, Farm and Other Agricultural Managers	11-9011	S	
Ranchers and Farmers	11-9012	Safe and Locksmiths Repairers	49-9094
Real Estate Brokers	41-9021	Safety & Health Engineers, Ex. Mining Safety	17-2111
Real Estate Sales Agents	41-9022	Sailors and Marine Oilers	53-5011
Real Estate, Property, & Community Assn Mgrs	11-9141	Sales and Related Workers, All Other	41-9099
Receiving, Shipping and Traffic Clerks	43-5071	Sales Managers	11-2022
Receptionists and Information Clerks	43-4171	Sales Rep., Wholesale & Mfg, Tech./Sci. Prod.	41-4011
Recreation Workers	39-9032	Sales Rep., Wholesale/Mfg, Ex. Tech./Sci. Prod.	41-4012
Recreational Therapists	29-1125	Sales Representatives, Services, All Other	41-3099
Recreational Vehicle Service Technicians	49-3092	Samplers/Inspectors/Testers/Sorters/Weighers	51-9061
Recruitment, Empl., & Placement Specialists	13-1071	Sawing Mach. Setters/Operators/Tenders, Wood	51-7041
Recyclable Material and Refuse Collectors	53-7081	School Bus Drivers	53-3022
Referees, Umpires and Other Sports Officials	27-2023	School, Clinical, and Counseling Psychologists	19-3031
Refractory Materials Repairers, Ex. Brickmasons	49-9045	School, Educational, & Vocational Counselors	21-1012
Refrigeration, Heating, & AC Mechanics/Installers	49-9021	School, Family, and Child Social Workers	21-1021
Refuse and Recyclable Material Collectors	53-7081	Scouts and Coaches	27-2022
Regional and Urban Planners	19-3051	Sculptors/Painters/Illustrators & Other Fine Artists	27-1013
Registered Nurses	29-1111	Searchers, Title Examiners, and Abstractors	23-2093
Rehabilitation Counselors	21-1015	Secondary Sch. Teachers, Ex. Spec. & Voc. Ed.	25-2031
Reinforcing Iron and Rebar Workers	47-2171	Secretaries, Ex. Legal, Medical, & Executive	43-6014
Religious Activities, and Education Directors	21-2021	Securities/Commodities/Fin. Serv. Sales Agents	41-3031
Religious Workers, All Other	21-2099	Security and Fire Alarm Systems Installers	49-2098
Remedial Ed., Adult Literacy, & GED Teachers	25-3011	Security Guards	33-9032
Rental and Counter Clerks	41-2021	Self-Enrichment Education Teachers	25-3021
Repair and Maintenance Workers, General	49-9042	Semiconductor Processors	51-9141
Repairers/Mechanics/Installers, FL Sup/Mgrs	49-1011	Sep./Filter/Clarify/Precipitating/Still Mach. S/O/T	51-9012
Reporters and Correspondents	27-3022	Septic Tank Servicers and Sewer Pipe Cleaners	47-4071
Reservation/Trans. Ticket Agents & Travel Clerks	43-4181	Service Station Attendants	53-6031
Residential Advisors	39-9041	Service Unit Operators, Oil, Gas, and Mining	47-5013
Respiratory Therapists	29-1126	Set and Exhibit Designers	27-1027
Respiratory Therapy Technicians	29-2054	Sewer Pipe Cleaners and Septic Tank Servicers	47-4071
Retail & Wholesale Buyers, Ex. Farm Products	13-1022	Sewers, Custom/Tailors/Dressmakers	51-6052
Retail Sales Workers, First-Line Superv./Mgrs	41-1011	Sewers, Hand	51-6051

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Sewing Machine Operators	51-6031	Substance Abuse & Behavioral Dis. Counselors	21-1011
Shampooers	39-5093	Substance Abuse & Mental Health Social Work.	21-1023
Sheet Metal Workers	47-2211	Surfacing, Paving, & Tamping Equip. Operators	47-2071
Sheriff and Police Patrol Officers	33-3051	Surgeons	29-1067
Ship Engineers	53-5031	Surgical Technologists	29-2055
Ship, Tank Car, and Truck Loaders	53-7121	Survey Researchers	19-3022
Shipping, Receiving, and Traffic Clerks	43-5071	Surveying and Mapping Technicians	17-3031
Singers and Musicians	27-2042	Surveyors	17-1022
Ski Patrol/Lifeguards/Rec. Prot. Serv. Wrks	33-9092	Switchboard Operators, Inc. Answering Service	43-2011
Skin Care Specialists	39-5094	J	
Slaughtering and Meat Packers	51-3023	Tailors, Dressmakers, and Custom Sewers	51-6052
Slicing/Cutting Mach. Setters/Operators/Tenders	51-9032	Tank Car, Truck, and Ship Loaders	53-7121
Social and Community Service Managers	11-9151	Tapers	47-2082
Social and Human Service Assistants	21-1093	Tapers, Coil Winders, and Finishers	51-2021
Social Science Research Assistants	19-4061	Tax Examiners, Collectors, & Revenue Agents	13-2081
Social Scientists & Related Workers, All Other	19-3099	Tax Preparers	13-2082
Social Workers, All Other	21-1029	Taxi Drivers and Chauffeurs	53-3041
Soil and Plant Scientists	19-1013	Teacher Assistants	25-9041
Solderers, Welders, Cutters, and Brazers	51-4121	Teachers and Instructors, All Other	25-3099
Sorters and Graders, Agricultural Products	45-2041	Team Assemblers	51-2092
Sorters/Inspectors/Testers/Samplers/Weighers	51-9061	Technical Writers	27-3042
Sound Engineering Technicians	27-4014	Telecomm. Equip. Install/Repair, Ex. Line Install	49-2022
Space and Atmospheric Scientists	19-2021	Telecommunications Line Installers & Repairers	49-9052
Special Ed. Teachers, Pre./Kinder./Elem. Sch.	25-2041	Telemarketers	41-9041
Special Education Teachers, Middle School	25-2042	Telephone Operators	43-2021
Special Education Teachers, Secondary School	25-2043	Television and Radio Announcers	27-3011
Speech-Language Pathologists	29-1127	Tellers	43-3071
Spraying/Painting/Coating Machine Setters, O/T	51-9121	Tennis Pro and Golf Pro	27-2022
Stable Attendant	39-2021	Testers/Inspectors/Sorters/Samplers/Weighers	51-9061
Stationary Engineers and Boiler Operators	51-8021	Textile Cutting Machine Setters/Oper./Tenders	51-6062
Statistical Assistants	43-9111	Textile/Apparel/Furnishings Workers, All Other	51-6099
Statisticians	15-2041	Therapists, All Other	29-1129
Steamfitters, Plumbers, and Pipefitters	47-2152	Ticket Agents, Trans./Reserv. & Travel Clerks	43-4181
Steel and Structural Iron Workers	47-2221	Ticket Takers, Ushers, and Lobby Attendants	39-3031
Stenographers	23-2091	Tile and Marble Setters	47-2044
Stock Clerks and Order Fillers	43-5081	Timekeeping and Payroll Clerks	43-3051
Stonemasons	47-2022	Tire Builders	51-9197
Storage, Transportation, & Distribution Managers	11-3071	Tire Repairers and Changers	49-3093
Structural Iron and Steel Workers	47-2221	Title Examiners, Abstractors, and Searchers	23-2093
Structural Metal Fabricators and Fitters	51-2041	Tool and Die Makers	51-4111
Stucco Mas./Painters/Paper/Plasterers--Helpers	47-3014	Tool Grinders, Filers, and Sharpeners	51-4194
Stucco Masons and Plasterers	47-2161	Tour Guides and Escorts	39-6021

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Traffic Technicians	53-6041	Welding/Soldering/Brazing Machine Setters, O/T	51-4122
Training and Development Managers	11-3042	Wellhead Pumpers	53-7073
Training and Development Specialists	13-1073	Wholesale & Retail Buyers, Ex. Farm Products	13-1022
Trans. Attendants, Ex. Flight Attend./Bag Porters	39-6032	Wildlife Biologists and Zoologists	19-1023
Trans. Equip. Electrical/Electronics Install/Repair	49-2093	Window Trimmers and Merchandise Displayers	27-1026
Trans/Mat.-Mov. Mach & Veh Op, FL Sup/Mgrs	53-1031	Woodworkers, All Other	51-7099
Translators and Interpreters	27-3091	Woodworking Machine Setters, O/T, Ex. Sawing	51-7042
Transportation Inspectors	53-6051	Word Processors and Typists	43-9022
Transportation Workers, All Other	53-6099	Writers and Authors	27-3043
Transportation, Storage, & Distribution Managers	11-3071	Z	
Travel Agents	41-3041	Zoologists and Wildlife Biologists	19-1023
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			
Umpires, Referees and Other Sports Officials	27-2023		
Upholsterers	51-6093		
Urban and Regional Planners	19-3051		
Ushers, Lobby Attendants, and Ticket Takers	39-3031		
Utilities, Meter Readers	43-5041		
V			
Vending/Coin/Amusement Machine Serv/Repair	49-9091		
Vet. Assistants & Laboratory Animal Caretakers	31-9096		
Veterinarians	29-1131		
Veterinary Technologists and Technicians	29-2056		
Video and Audio Equipment Technicians	27-4011		
Video and Film Editors	27-4032		
Vocational Education Teachers, Middle School	25-2023		
Vocational Education Teachers, Secondary Sch.	25-2032		
Vocational, Educational, & School Counselors	21-1012		
W			
Waiters and Waitresses	35-3031		
Water/Liquid Waste Treatment Plant/System Op.	51-8031		
Webmaster	15-1099		
Weighers/Inspectors/Testers/Sorters/Samplers	51-9061		
Weighers/Meas./Checkers/Samplers, Recordkp	43-5111		
Welders, Cutters, Solderers, and Brazers	51-4121		

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**Bureau of Labor Market Information
Business Principles for Workforce Development**

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State of Ohio

Jan Allen, Acting Director
Ohio Department of Job and Family Services

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