

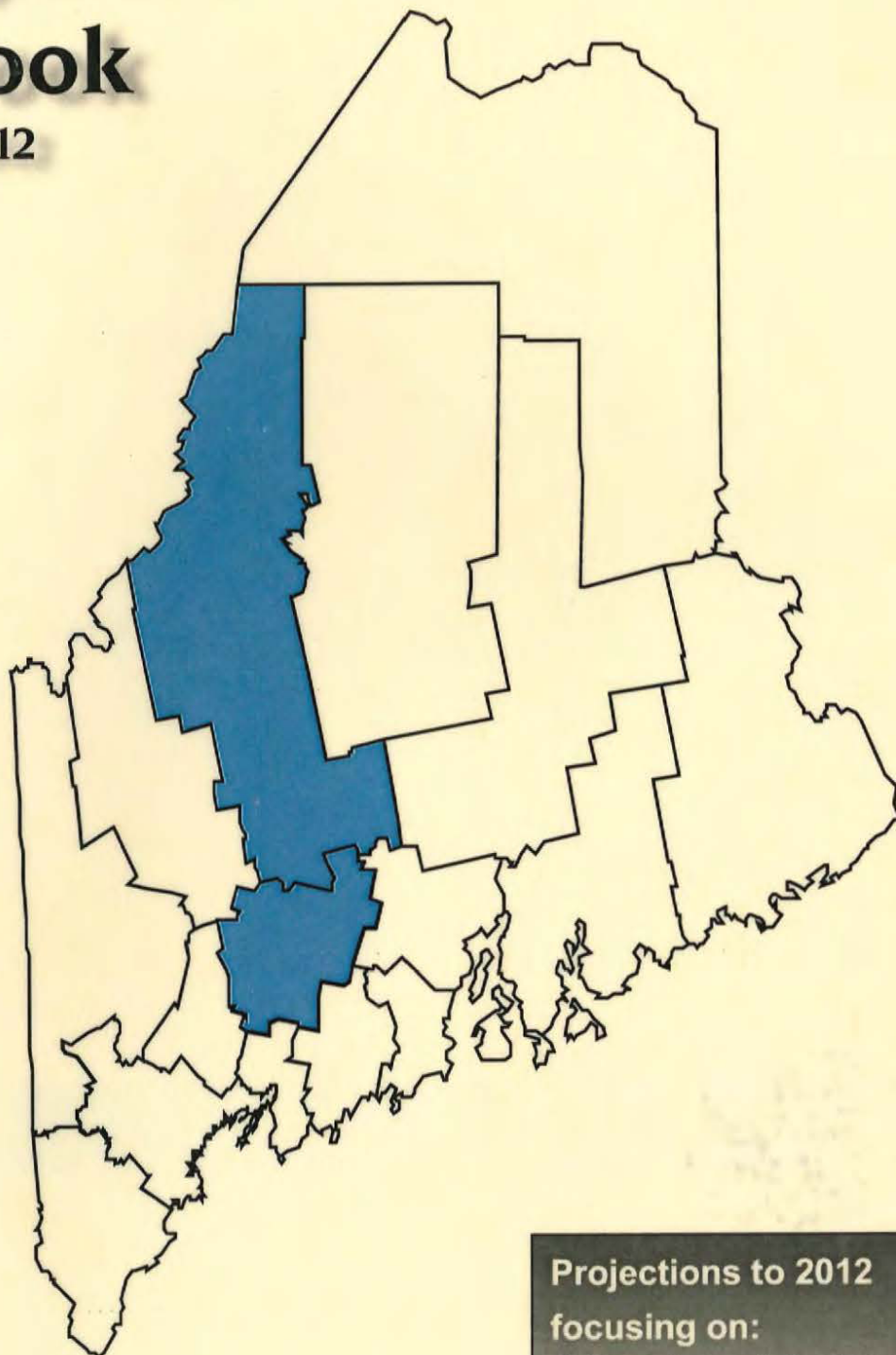
MAINE STATE LEGISLATURE

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Central Maine Employment Outlook to 2012



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Labor Market Information

Projections to 2012

focusing on:

- Growing and declining industries and occupations
- Job Openings
- Education and training requirements

Central Maine Employment Outlook

2002 to 2012

*Industrial and Occupational Employment Projections
For Kennebec and Somerset Counties*

This publication is a product of the Economic and Demographic Research Group
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Augusta, Maine

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Preface

Central Maine Employment Outlook highlights industry and occupational employment projections for the period from 2002 to 2012. The labor market of the future is being shaped by many factors, including technological change and social and demographic trends. Labor market trends in Maine have largely followed a similar course to national trends for many years. These projections generally mirror national projections published by the U.S. Bureau of Labor Statistics for the same period.

Projection Highlights

- ❑ Employment opportunities will be concentrated in the service-providing industries. Education and health services, retail trade, and leisure and hospitality services are expected to create about two-thirds of all new jobs.
- ❑ The occupational structure of employment will shift along with changes in the industrial structure and technology. Many of the fastest growing occupations will be health care related, largely due to rapid growth in the number of middle age and elderly people.
- ❑ Technology will continue to impact the structure of employment and how work is done. Computers will increasingly be a part of a wide range of work processes and computer-related occupations will continue to grow faster than the average.

This monograph was produced by Glenn Mills, Senior Economic Analyst. Questions about industry trends should be directed to Glenn. Questions about occupational trends should be directed to Merrill Huhtala, Manager of the Occupational Employment Statistics Program. Glenn and Merrill can be reached at (207) 287-2271.

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**Industry Employment
2002 and Projected 2012**

Employment by Industry in Central Maine, 2002 and Projected 2012

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
Total Employment	84,377	88,871	4,494	5.3%
Self-Employed, Private Household, and Unpaid Family Workers	8,064	8,406	342	4.2%
Wage and Salary Jobs	76,313	80,465	4,152	5.4%
Total Private	57,137	61,297	4,160	7.3%
Goods-Producing Industries	12,506	11,340	-1,166	-9.3%
Natural Resources and Mining	823	832	9	1.1%
Agriculture, Forestry, Fishing and Hunting	816	826	10	1.2%
Crop production	126	133	7	5.6%
Animal production	211	241	30	14.0%
Forestry and logging	440	419	-21	-4.7%
Fishing, hunting and trapping	ND	ND	ND	ND
Agriculture and forestry support activities	ND	ND	ND	ND
Mining	ND	ND	ND	ND
Mining, except oil and gas	ND	ND	ND	ND
Construction	4,220	4,053	-167	-4.0%
Construction of buildings	996	949	-47	-4.7%
Heavy and civil engineering construction	1,366	1,334	-32	-2.3%
Specialty trade contractors	1,858	1,770	-88	-4.7%
Manufacturing	7,463	6,455	-1,008	-13.5%
Durable Goods	2,911	2,544	-367	-12.6%
Wood product manufacturing	813	649	-164	-20.2%
Nonmetallic mineral product manufacturing	ND	ND	ND	ND
Primary metal manufacturing	ND	ND	ND	ND
Fabricated metal product manufacturing	724	646	-78	-10.8%
Machinery manufacturing	220	201	-19	-8.8%
Computer and electronic product manufacturing	ND	ND	ND	ND
Electrical equipment and appliance mfg.	ND	ND	ND	ND
Transportation equipment manufacturing	ND	ND	ND	ND
Furniture and related product manufacturing	64	52	-12	-18.5%
Miscellaneous manufacturing	ND	ND	ND	ND
Nondurable Goods	4,552	3,911	-641	-14.1%
Food manufacturing	306	296	-10	-3.1%
Beverage and tobacco product manufacturing	ND	ND	ND	ND
Textile mills	ND	ND	ND	ND
Textile product mills	174	144	-30	-17.4%
Apparel manufacturing	418	258	-160	-38.4%
Leather and allied product manufacturing	1,170	554	-616	-52.6%
Paper manufacturing	1,746	1,251	-495	-28.4%
Printing and related support activities	319	294	-25	-8.0%
Petroleum and coal products manufacturing	ND	ND	ND	ND
Chemical manufacturing	ND	ND	ND	ND

Employment by Industry in Central Maine, 2002 and Projected 2012

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
Plastics and rubber products manufacturing	96	74	-22	-22.5%
Service-Providing Industries	63,807	69,124	5,317	8.3%
Trade, Transportation, and Utilities	15,140	16,002	862	5.7%
Wholesale Trade	2,774	2,889	115	4.2%
Merchant wholesalers, durable goods	890	1,011	121	13.6%
Merchant wholesalers, nondurable goods	1,794	1,772	-22	-1.2%
Electronic markets and agents and brokers	90	106	16	17.9%
Retail Trade	10,970	11,732	762	6.9%
Motor vehicle and parts dealers	1,609	1,810	201	12.5%
Furniture and home furnishings stores	540	588	48	8.8%
Electronics and appliance stores	205	238	33	16.1%
Building material and garden supply stores	1,049	1,159	110	10.5%
Food and beverage stores	1,940	2,089	149	7.7%
Health and personal care stores	454	454	0	0.0%
Gasoline stations	1,076	1,132	56	5.2%
Clothing and clothing accessories stores	323	290	-33	-10.3%
Sporting goods, hobby, book and music stores	239	250	11	4.6%
General merchandise stores	1,962	1,985	23	1.2%
Miscellaneous store retailers	658	730	72	11.0%
Nonstore retailers	915	1,007	92	10.0%
Transportation and Warehousing	1,107	1,133	26	2.4%
Air transportation	ND	ND	ND	ND
Rail transportation	ND	ND	ND	ND
Water transportation	ND	ND	ND	ND
Truck transportation	623	608	-15	-2.3%
Transit and ground passenger transportation	85	99	14	17.0%
Pipeline transportation	ND	ND	ND	ND
Scenic and sightseeing transportation	ND	ND	ND	ND
Support activities for transportation	90	102	12	13.4%
Couriers and messengers	253	268	15	5.9%
Warehousing and storage	ND	ND	ND	ND
Utilities	289	248	-41	-14.3%
Information	935	927	-8	-0.8%
Publishing industries, except Internet	370	398	28	7.7%
Motion picture and sound recording industries	47	62	15	32.9%
Broadcasting, except Internet	28	27	-1	-4.7%
Internet publishing and broadcasting	ND	ND	ND	ND
Telecommunications	332	290	-42	-12.6%
ISPs, search portals, and data processing	140	132	-8	-5.4%
Other Information Services	ND	ND	ND	ND
Financial Activities	2,254	2,343	89	4.0%

Employment by Industry in Central Maine, 2002 and Projected 2012

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
Finance and Insurance	1,607	1,618	11	0.7%
Credit intermediation and related activities	1,100	1,101	1	0.1%
Securities, commodity contracts, investments	54	71	17	31.6%
Insurance carriers and related activities	434	424	-10	-2.2%
Funds, trusts, and other financial vehicles	19	21	2	12.3%
Real Estate and Rental and Leasing	647	725	78	12.1%
Real estate	320	352	32	9.9%
Rental and leasing services	327	374	47	14.2%
Professional and Business Services	4,874	5,212	338	6.9%
Professional and technical services	2,159	2,310	151	7.0%
Management of companies and enterprises	841	795	-46	-5.5%
Administrative and support services	1,798	2,032	234	13.0%
Waste management and remediation services	76	75	-1	-0.7%
Education and Health Services	13,594	16,726	3,132	23.0%
Educational services	1,455	1,701	246	16.9%
Health Care and Social Assistance	12,139	15,025	2,886	23.8%
Ambulatory health care services	2,799	3,515	716	25.6%
Hospitals	3,388	3,909	521	15.4%
Nursing and residential care facilities	3,244	3,984	740	22.8%
Social assistance	2,708	3,617	909	33.6%
Leisure and Hospitality	5,827	6,538	711	12.2%
Arts, Entertainment, and Recreation	906	1,190	284	31.3%
Performing arts and spectator sports	ND	ND	ND	ND
Museums, historical sites, zoos, and parks	ND	ND	ND	ND
Amusements, gambling, and recreation	847	1,124	277	32.7%
Accommodation and Food Services	4,921	5,349	428	8.7%
Accommodation	789	861	72	9.1%
Food services and drinking places	4,132	4,488	356	8.6%
Other Services	2,007	2,207	200	10.0%
Repair and maintenance	541	606	65	12.0%
Personal and laundry services	358	373	15	4.1%
Membership associations and organizations	940	1,068	128	13.7%
Private households	168	160	-8	-4.7%
Government	19,176	19,168	-8	0.0%
Federal	1,869	1,848	-21	-1.1%
State	9,741	9,513	-228	-2.3%
Local	7,566	7,807	241	3.2%

ND: Not Discloseable.

Industries Projected to Gain or Lose the Largest Number of Jobs in Central Maine Between 2002 and 2012

Industries Expected to Gain Jobs		Industries Expected to Lose Jobs	
Social assistance	909	Leather and allied product manufacturing	-616
Nursing and residential care facilities	740	Paper manufacturing	-495
Ambulatory health care services	716	State	-228
Hospitals	521	Wood product manufacturing	-164
Food services and drinking places	356	Apparel manufacturing	-160
Amusements, gambling, and recreation	277	Specialty trade contractors	-88
Educational services	246	Fabricated metal product manufacturing	-78
Local	241	Construction of buildings	-47
Administrative and support services	234	Management of companies and enterprises	-46
Motor vehicle and parts dealers	201	Telecommunications	-42
Professional and technical services	151	Clothing and clothing accessories stores	-33
Food and beverage stores	149	Heavy and civil engineering construction	-32
Membership associations and organizations	128	Textile product mills	-30
Merchant wholesalers, durable goods	121	Printing and related support activities	-25
Building material and garden supply stores	110	Plastics and rubber products manufacturing	-22
Nonstore retailers	92	Merchant wholesalers, nondurable goods	-22
Miscellaneous store retailers	72	Forestry and logging	-21
Accommodation	72	Federal	-21
Repair and maintenance	65	Machinery manufacturing	-19
Gasoline stations	56	Truck transportation	-15
Furniture and home furnishings stores	48	Furniture and related product manufacturing	-12
Rental and leasing services	47	Insurance carriers and related activities	-10
Electronics and appliance stores	33	Food manufacturing	-10
Real estate	32	Private households	-8
Animal production	30	ISPs, search portals, and data processing	-8
Publishing industries, except Internet	28	Broadcasting, except Internet	-1
General merchandise stores	23	Waste management and remediation services	-1
Securities, commodity contracts, investments	17		
Electronic markets and agents and brokers	16		
Motion picture and sound recording industries	15		
Personal and laundry services	15		
Couriers and messengers	15		
Transit and ground passenger transportation	14		
Support activities for transportation	12		
Sporting goods, hobby, book and music stores	11		
Crop production	7		
Funds, trusts, and other financial vehicles	2		
Credit intermediation and related activities	1		

Industries Projected to Gain or Lose Jobs at the Fastest Rate in Central Maine Between 2002 and 2012

Industries Expected to Gain Jobs		Industries Expected to Lose Jobs	
Social assistance	33.6%	Leather and allied product manufacturing	-52.6%
Motion picture and sound recording industries	32.9%	Apparel manufacturing	-38.4%
Amusements, gambling, and recreation	32.7%	Paper manufacturing	-28.4%
Securities, commodity contracts, investments	31.6%	Plastics and rubber products manufacturing	-22.5%
Ambulatory health care services	25.6%	Wood product manufacturing	-20.2%
Nursing and residential care facilities	22.8%	Furniture and related product manufacturing	-18.5%
Electronic markets and agents and brokers	17.9%	Textile product mills	-17.4%
Transit and ground passenger transportation	17.0%	Telecommunications	-12.6%
Educational services	16.9%	Fabricated metal product manufacturing	-10.8%
Electronics and appliance stores	16.1%	Clothing and clothing accessories stores	-10.3%
Hospitals	15.4%	Machinery manufacturing	-8.8%
Rental and leasing services	14.2%	Printing and related support activities	-8.0%
Animal production	14.0%	Management of companies and enterprises	-5.5%
Membership associations and organizations	13.7%	ISPs, search portals, and data processing	-5.4%
Merchant wholesalers, durable goods	13.6%	Forestry and logging	-4.7%
Support activities for transportation	13.4%	Specialty trade contractors	-4.7%
Administrative and support services	13.0%	Construction of buildings	-4.7%
Motor vehicle and parts dealers	12.5%	Broadcasting, except Internet	-4.7%
Funds, trusts, and other financial vehicles	12.3%	Private households	-4.7%
Repair and maintenance	12.0%	Food manufacturing	-3.1%
Miscellaneous store retailers	11.0%	State	-2.3%
Building material and garden supply stores	10.5%	Heavy and civil engineering construction	-2.3%
Nonstore retailers	10.0%	Truck transportation	-2.3%
Real estate	9.9%	Insurance carriers and related activities	-2.2%
Accommodation	9.1%	Merchant wholesalers, nondurable goods	-1.2%
Furniture and home furnishings stores	8.8%	Federal	-1.1%
Food services and drinking places	8.6%	Waste management and remediation services	-0.7%
Publishing industries, except Internet	7.7%		
Food and beverage stores	7.7%		
Professional and technical services	7.0%		
Couriers and messengers	5.9%		
Crop production	5.6%		
Gasoline stations	5.2%		
Sporting goods, hobby, book and music stores	4.6%		
Personal and laundry services	4.1%		
Local	3.2%		
General merchandise stores	1.2%		
Credit intermediation and related activities	0.1%		

**Occupational Employment
2002 and Projected 2012**

Employment by Occupational Group in Central Maine in 2002 and Projected 2012

Occupational Group	Average Employment		Change in Employment		Average Annual Openings		
	2002	2012	Net	Percent	Growth	Replacement	Total
<i>Total</i>	84,377	88,871	4,494	5.3%	714	1,991	2,705
Management, Business and Financial Occupations	7,296	7,860	564	7.7%	62	133	195
Management Occupations	5,201	5,558	357	6.9%	41	94	135
Business and Financial Operations Occupations	2,095	2,302	207	9.9%	21	39	60
Professional and Related Occupations	16,694	18,871	2,177	13.0%	246	325	571
Computer and Mathematical Occupations	865	944	79	9.1%	10	11	21
Architecture and Engineering Occupations	868	844	-24	-2.8%	3	19	22
Life, Physical, and Social Science Occupations	564	660	96	17.0%	10	13	23
Community and Social Services Occupations	2,352	3,080	728	31.0%	73	45	118
Legal Occupations	477	524	47	9.9%	5	6	11
Education, Training, and Library Occupations	5,571	5,699	128	2.3%	31	120	151
Arts, Design, Entertainment, Sports, and Media Occupations	870	984	114	13.1%	12	16	28
Healthcare Practitioners and Technical Occupations	5,127	6,136	1,009	19.7%	102	95	197
Service Occupations	18,333	20,716	2,383	13.0%	244	506	750
Healthcare Support Occupations	2,933	3,608	675	23.0%	68	43	111
Protective Service Occupations	3,006	3,267	261	8.7%	26	84	110
Food Preparation and Serving Related Occupations	6,400	6,831	431	6.7%	49	250	299
Building and Grounds Cleaning and Maintenance Occupations	3,080	3,313	233	7.6%	23	62	85
Personal Care and Service Occupations	2,914	3,697	783	26.9%	78	67	145
Sales and Related Occupations	8,137	8,799	662	8.1%	69	275	344
Office and Administrative Support Occupations	12,276	11,888	-388	-3.2%	31	284	315
Farming, Fishing, and Forestry Occupations	823	871	48	5.8%	8	18	26
Construction and Extraction Occupations	5,288	5,281	-7	-0.1%	6	97	103
Installation, Maintenance, and Repair Occupations	3,566	3,755	189	5.3%	26	84	110
Production Occupations	6,020	4,970	-1,050	-17.4%	3	139	142
Transportation and Material Moving Occupations	5,944	5,860	-84	-1.4%	21	132	153

Details may not add to totals due to rounding.

Employment by Education/Training Requirement in Central Maine in 2002 and Projected 2012									
Education/Training Requirement	Average Employment		Percent of Total Employment		Change in Employment		Average Annual Openings		
	2002	2012	2002	2012	Net	Percent	Growth	Replacement	Total
<i>Total</i>	84,377	88,871	100.0%	100.0%	4,494	5.3%	714	1,991	2,705
First Professional degree	1,362	1,545	1.6%	1.7%	183	13.4%	19	24	43
Doctoral degree	433	495	0.5%	0.6%	62	14.3%	6	7	13
Master's degree	1,676	1,948	2.0%	2.2%	272	16.2%	30	35	65
Bachelor's degree plus work experience	3,981	4,272	4.7%	4.8%	291	7.3%	32	76	108
Bachelor's degree	8,317	9,006	9.9%	10.1%	689	8.3%	84	162	246
Associate degree	3,510	4,181	4.2%	4.7%	671	19.1%	67	68	135
Postsecondary vocational award	3,524	3,843	4.2%	4.3%	319	9.1%	37	74	111
Work experience in a related occupation	6,250	6,577	7.4%	7.4%	327	5.2%	44	131	175
Long-term on-the-job training	6,708	6,835	8.0%	7.7%	127	1.9%	36	150	186
Moderate-term on-the-job training	18,361	18,158	21.8%	20.4%	-203	-1.1%	100	368	468
Short-term on-the-job training	30,255	32,011	35.9%	36.0%	1,756	5.8%	256	892	1,148

Details may not add to totals due to rounding.

Occupations with the Largest Projected Number of Annual Openings in Central Maine Between 2002 and 2012

SOC Code	Occupation	Average Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Growth	Replacement	Total	
41-2011	Cashiers	2,261	2,470	21	110	131	Short-term on-the-job training
41-2031	Retail Salespersons	2,397	2,537	14	87	101	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,544	1,740	20	67	87	Short-term on-the-job training
29-1111	Registered Nurses	2,017	2,428	41	42	83	Associate degree
35-3031	Waiters and Waitresses	960	1,056	10	49	59	Short-term on-the-job training
39-9021	Personal and Home Care Aides	799	1,238	44	13	57	Short-term on-the-job training
21-1093	Social and Human Service Assistants	542	839	30	10	40	Moderate-term on-the-job training
11-1021	General and Operations Managers	1,505	1,614	11	28	39	Bachelor's degree plus work experience
35-2021	Food Preparation Workers	777	863	9	28	37	Short-term on-the-job training
31-1011	Home Health Aides	766	1,034	27	10	37	Short-term on-the-job training
39-9011	Child Care Workers	834	952	12	23	35	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,188	1,321	13	21	34	Work experience in a related occupation
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,049	970	0	34	34	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	916	821	0	34	34	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,366	1,519	15	18	33	Short-term on-the-job training
43-9061	Office Clerks, General	1,421	1,393	0	32	32	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	803	913	11	21	32	Long-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,380	1,471	9	23	32	Moderate-term on-the-job training
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,365	1,416	5	26	31	Short-term on-the-job training
33-2011	Fire Fighters	733	805	7	21	28	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	730	798	7	19	26	Postsecondary vocational award
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	633	708	8	17	25	Moderate-term on-the-job training
25-9041	Teacher Assistants	1,084	1,122	4	21	25	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,296	1,236	0	24	24	Moderate-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	796	866	7	17	24	Short-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	845	834	0	24	24	Bachelor's degree
43-6014	Secretaries, Except Legal, Medical, and Executive	1,240	1,113	0	24	24	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	632	721	9	14	23	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	507	586	8	13	21	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	263	289	3	17	20	Short-term on-the-job training
47-2031	Carpenters	1,145	1,137	0	19	19	Long-term on-the-job training
25-2021	Elementary School Teachers, Except Special Education	877	842	0	19	19	Bachelor's degree
43-4051	Customer Service Representatives	735	803	7	11	18	Moderate-term on-the-job training
49-9042	Maintenance and Repair Workers, General	744	787	4	14	18	Moderate-term on-the-job training
43-3071	Tellers	333	342	1	16	17	Short-term on-the-job training
21-1021	Child, Family, and School Social Workers	341	437	10	6	16	Bachelor's degree
31-9092	Medical Assistants	218	339	12	4	16	Moderate-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	720	707	0	15	15	Work experience in a related occupation
35-2012	Cooks, Institution and Cafeteria	448	393	0	14	14	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	356	384	3	11	14	Long-term on-the-job training

Occupations with the Largest Projected Net Job Growth in Central Maine Between 2002 and 2012

SOC Code	Occupation	Average Employment		Net Growth	Education/Training Requirement
		2002	2012		
39-9021	Personal and Home Care Aides	799	1,238	439	Short-term on-the-job training
29-1111	Registered Nurses	2,017	2,428	411	Associate degree
21-1093	Social and Human Service Assistants	542	839	297	Moderate-term on-the-job training
31-1011	Home Health Aides	766	1,034	268	Short-term on-the-job training
41-2011	Cashiers	2,261	2,470	209	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,544	1,740	196	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,366	1,519	153	Short-term on-the-job training
41-2031	Retail Salespersons	2,397	2,537	140	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,188	1,321	133	Work experience in a related occupation
31-9092	Medical Assistants	218	339	121	Moderate-term on-the-job training
39-9011	Child Care Workers	834	952	118	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	803	913	110	Long-term on-the-job training
11-1021	General and Operations Managers	1,505	1,614	109	Bachelor's degree plus work experience
21-1021	Child, Family, and School Social Workers	341	437	96	Bachelor's degree
35-3031	Waiters and Waitresses	960	1,056	96	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,380	1,471	91	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	632	721	89	Short-term on-the-job training
35-2021	Food Preparation Workers	777	863	86	Short-term on-the-job training
21-1023	Mental Health and Substance Abuse Social Workers	212	296	84	Master's degree
43-4171	Receptionists and Information Clerks	507	586	79	Short-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	633	708	75	Moderate-term on-the-job training
33-2011	Fire Fighters	733	805	72	Long-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	796	866	70	Short-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	730	798	68	Postsecondary vocational award
43-4051	Customer Service Representatives	735	803	68	Moderate-term on-the-job training
21-1015	Rehabilitation Counselors	213	281	68	Master's degree
53-3033	Truck Drivers, Light or Delivery Services	564	628	64	Short-term on-the-job training
29-2071	Medical Records and Health Information Technicians	131	193	62	Associate degree
11-9151	Social and Community Service Managers	208	270	62	Bachelor's degree
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,365	1,416	51	Short-term on-the-job training
11-9111	Medical and Health Services Managers	209	260	51	Bachelor's degree plus work experience
45-2093	Farmworkers, Farm and Ranch Animals	111	159	48	Short-term on-the-job training
29-1071	Physician Assistants	90	136	46	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	96	141	45	Work experience in a related occupation
49-9042	Maintenance and Repair Workers, General	744	787	43	Moderate-term on-the-job training
29-1123	Physical Therapists	144	184	40	Master's degree
39-9031	Fitness Trainers and Aerobics Instructors	114	152	38	Postsecondary vocational award
25-9041	Teacher Assistants	1,084	1,122	38	Short-term on-the-job training
23-1011	Lawyers	275	312	37	First Professional degree
29-2052	Pharmacy Technicians	166	203	37	Moderate-term on-the-job training

Occupations with the Fastest Projected Rate of Job Growth in Central Maine Between 2002 and 2012

SOC Code	Occupation	Average Employment		Growth Rate	Education/Training Requirement
		2002	2012		
31-9092	Medical Assistants	218	339	55.5%	Moderate-term on-the-job training
39-9021	Personal and Home Care Aides	799	1,238	54.9%	Short-term on-the-job training
21-1093	Social and Human Service Assistants	542	839	54.8%	Moderate-term on-the-job training
29-1071	Physician Assistants	90	136	51.1%	Bachelor's degree
29-2071	Medical Records and Health Information Technicians	131	193	47.3%	Associate degree
31-9011	Massage Therapists	53	78	47.2%	Postsecondary vocational award
25-3021	Self-Enrichment Education Teachers	96	141	46.9%	Work experience in a related occupation
45-2093	Farmworkers, Farm and Ranch Animals	111	159	43.2%	Short-term on-the-job training
21-1023	Mental Health and Substance Abuse Social Workers	212	296	39.6%	Master's degree
27-1026	Merchandise Displayers and Window Trimmers	57	79	38.6%	Moderate-term on-the-job training
29-1126	Respiratory Therapists	64	88	37.5%	Associate degree
31-1011	Home Health Aides	766	1,034	35.0%	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	114	152	33.3%	Postsecondary vocational award
21-1015	Rehabilitation Counselors	213	281	31.9%	Master's degree
49-3051	Motorboat Mechanics	59	77	30.5%	Long-term on-the-job training
11-9151	Social and Community Service Managers	208	270	29.8%	Bachelor's degree
21-1092	Probation Officers and Correctional Treatment Specialists	68	88	29.4%	Bachelor's degree
21-1022	Medical and Public Health Social Workers	102	132	29.4%	Bachelor's degree
11-9011	Farm, Ranch, and Other Agricultural Managers	85	109	28.2%	Bachelor's degree plus work experience
43-4111	Interviewers, Except Eligibility and Loan	85	109	28.2%	Short-term on-the-job training
21-1021	Child, Family, and School Social Workers	341	437	28.2%	Bachelor's degree
39-9041	Residential Advisors	82	105	28.0%	Moderate-term on-the-job training
19-2041	Environmental Scientists and Specialists, Including Health	72	92	27.8%	Master's degree
39-1021	First-Line Supervisors/Managers of Personal Service Workers	126	161	27.8%	Work experience in a related occupation
29-1123	Physical Therapists	144	184	27.8%	Master's degree
29-2055	Surgical Technologists	56	71	26.8%	Postsecondary vocational award
19-3031	Clinical, Counseling, and School Psychologists	120	152	26.7%	Doctoral degree
21-1014	Mental Health Counselors	129	162	25.6%	Master's degree
29-1122	Occupational Therapists	72	90	25.0%	Bachelor's degree
29-1051	Pharmacists	139	173	24.5%	First Professional degree
11-9111	Medical and Health Services Managers	209	260	24.4%	Bachelor's degree plus work experience
29-2021	Dental Hygienists	121	150	24.0%	Associate degree
25-1191	Graduate Teaching Assistants	96	118	22.9%	Bachelor's degree
31-9091	Dental Assistants	116	142	22.4%	Moderate-term on-the-job training
31-9094	Medical Transcriptionists	94	115	22.3%	Postsecondary vocational award
29-2052	Pharmacy Technicians	166	203	22.3%	Moderate-term on-the-job training
29-1111	Registered Nurses	2,017	2,428	20.4%	Associate degree
21-1091	Health Educators	54	65	20.4%	Master's degree
13-1073	Training and Development Specialists	138	166	20.3%	Bachelor's degree
39-3091	Amusement and Recreation Attendants	148	178	20.3%	Short-term on-the-job training

Occupations with fewer than 50 jobs in 2002 were excluded from this list.

Occupations with the Largest Projected Net Job Loss in Central Maine Between 2002 and 2012

SOC Code	Occupation	Average Employment		Net Decline	Education/Training Requirement
		2002	2012		
51-2092	Team Assemblers	503	369	-134	Moderate-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	1,240	1,113	-127	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	916	821	-95	Short-term on-the-job training
51-6042	Shoe Machine Operators and Tenders	148	57	-91	Moderate-term on-the-job training
51-6031	Sewing Machine Operators	462	378	-84	Moderate-term on-the-job training
43-9022	Word Processors and Typists	208	125	-83	Moderate-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,049	970	-79	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	290	215	-75	Short-term on-the-job training
51-6051	Sewers, Hand	133	67	-66	Short-term on-the-job training
53-3022	Bus Drivers, School	398	334	-64	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,296	1,236	-60	Moderate-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	448	393	-55	Moderate-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	95	43	-52	Long-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	166	115	-51	Moderate-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	407	360	-47	Work experience in a related occupation
25-2022	Middle School Teachers, Except Special and Vocational Education	499	454	-45	Bachelor's degree
43-5052	Postal Service Mail Carriers	236	198	-38	Short-term on-the-job training
25-2021	Elementary School Teachers, Except Special Education	877	842	-35	Bachelor's degree
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	139	105	-34	Moderate-term on-the-job training
51-4041	Machinists	289	255	-34	Long-term on-the-job training
51-9198	Helpers--Production Workers	178	148	-30	Short-term on-the-job training
43-9061	Office Clerks, General	1,421	1,393	-28	Short-term on-the-job training
43-9021	Data Entry Keyers	128	101	-27	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	162	135	-27	Moderate-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	103	78	-25	Moderate-term on-the-job training
25-1194	Vocational Education Teachers, Postsecondary	48	24	-24	Work experience in a related occupation
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	89	66	-23	Moderate-term on-the-job training
43-9011	Computer Operators	76	55	-21	Moderate-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	97	76	-21	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	603	584	-19	Moderate-term on-the-job training
43-2011	Switchboard Operators, Including Answering Service	127	108	-19	Short-term on-the-job training
49-9044	Millwrights	91	73	-18	Long-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	187	169	-18	Short-term on-the-job training
15-1021	Computer Programmers	120	103	-17	Bachelor's degree
49-9041	Industrial Machinery Mechanics	95	78	-17	Long-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	213	196	-17	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	290	273	-17	Moderate-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	73	56	-17	Short-term on-the-job training
25-1021	Computer Science Teachers, Postsecondary	23	8	-15	Master's degree
41-9041	Telemarketers	182	167	-15	Short-term on-the-job training

Occupations with the Fastest Projected Rate of Job Loss in Central Maine Between 2002 and 2012

SOC Code	Occupation	Average Employment		Rate of Decline	Education/Training Requirement
		2002	2012		
51-6042	Shoe Machine Operators and Tenders	148	57	-61.5%	Moderate-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	95	43	-54.7%	Long-term on-the-job training
51-6051	Sewers, Hand	133	67	-49.6%	Short-term on-the-job training
43-9022	Word Processors and Typists	208	125	-39.9%	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	166	115	-30.7%	Moderate-term on-the-job training
43-9011	Computer Operators	76	55	-27.6%	Moderate-term on-the-job training
51-2092	Team Assemblers	503	369	-26.6%	Moderate-term on-the-job training
53-7063	Machine Feeders and Offbearers	290	215	-25.9%	Short-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	89	66	-25.8%	Moderate-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	139	105	-24.5%	Moderate-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	103	78	-24.3%	Moderate-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	73	56	-23.3%	Short-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	52	40	-23.1%	Moderate-term on-the-job training
43-4131	Loan Interviewers and Clerks	61	47	-23.0%	Short-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	97	76	-21.6%	Short-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	52	41	-21.2%	Long-term on-the-job training
43-9021	Data Entry Keyers	128	101	-21.1%	Moderate-term on-the-job training
53-7011	Conveyor Operators and Tenders	53	42	-20.8%	Short-term on-the-job training
49-9044	Millwrights	91	73	-19.8%	Long-term on-the-job training
51-6031	Sewing Machine Operators	462	378	-18.2%	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	95	78	-17.9%	Long-term on-the-job training
17-2141	Mechanical Engineers	53	44	-17.0%	Bachelor's degree
51-7011	Cabinetmakers and Bench Carpenters	59	49	-16.9%	Long-term on-the-job training
51-9198	Helpers--Production Workers	178	148	-16.9%	Short-term on-the-job training
43-5041	Meter Readers, Utilities	66	55	-16.7%	Short-term on-the-job training
11-3051	Industrial Production Managers	78	65	-16.7%	Bachelor's degree
51-9196	Paper Goods Machine Setters, Operators, and Tenders	162	135	-16.7%	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	67	56	-16.4%	Moderate-term on-the-job training
43-5052	Postal Service Mail Carriers	236	198	-16.1%	Short-term on-the-job training
53-3022	Bus Drivers, School	398	334	-16.1%	Short-term on-the-job training
43-5051	Postal Service Clerks	78	66	-15.4%	Short-term on-the-job training
43-2011	Switchboard Operators, Including Answering Service	127	108	-15.0%	Short-term on-the-job training
51-5011	Bindery Workers	55	47	-14.5%	Short-term on-the-job training
15-1021	Computer Programmers	120	103	-14.2%	Bachelor's degree
17-2071	Electrical Engineers	57	50	-12.3%	Bachelor's degree
35-2012	Cooks, Institution and Cafeteria	448	393	-12.3%	Moderate-term on-the-job training
51-4041	Machinists	289	255	-11.8%	Long-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	407	360	-11.5%	Work experience in a related occupation
43-4061	Eligibility Interviewers, Government Programs	124	110	-11.3%	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	916	821	-10.4%	Short-term on-the-job training

Occupations with fewer than 50 jobs in 2002 were excluded from this list.

Employment and Job Openings for All Occupations in Central Maine in 2002 and Projected 2012
(Sorted by Occupational Group)

SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
	Total, All Occupations	84,377	88,871	4,494	5.3%	714	1,991	2,705	NA
11-0000	Management Occupations	5,201	5,558	357	6.9%	41	94	135	NA
11-1011	Chief Executives	314	325	11	3.5%	1	6	7	Bachelor's degree plus work experience
11-1021	General and Operations Managers	1,505	1,614	109	7.2%	11	28	39	Bachelor's degree plus work experience
11-1031	Legislators	164	150	-14	-8.5%	0	2	2	Bachelor's degree plus work experience
11-2011	Advertising and Promotions Managers	41	44	3	7.3%	0	1	1	Bachelor's degree plus work experience
11-2021	Marketing Managers	87	92	5	5.7%	1	2	3	Bachelor's degree plus work experience
11-2022	Sales Managers	107	126	19	17.8%	2	2	4	Bachelor's degree plus work experience
11-2031	Public Relations Managers	33	39	6	18.2%	1	1	2	Bachelor's degree plus work experience
11-3011	Administrative Services Managers	135	137	2	1.5%	0	3	3	Bachelor's degree plus work experience
11-3021	Computer and Information Systems Managers	149	167	18	12.1%	2	3	5	Bachelor's degree plus work experience
11-3031	Financial Managers	324	349	25	7.7%	3	5	8	Bachelor's degree plus work experience
11-3040	Human Resources Managers	104	111	7	6.7%	1	2	3	Bachelor's degree plus work experience
11-3051	Industrial Production Managers	78	65	-13	-16.7%	0	2	2	Bachelor's degree
11-3061	Purchasing Managers	54	52	-2	-3.7%	0	1	1	Bachelor's degree plus work experience
11-3071	Transportation, Storage, and Distribution Managers	61	67	6	9.8%	1	1	2	Work experience in a related occupation
11-9011	Farm, Ranch, and Other Agricultural Managers	85	109	24	28.2%	2	2	4	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	236	229	-7	-3.0%	0	1	1	Long-term on-the-job training
11-9021	Construction Managers	272	269	-3	-1.1%	0	5	5	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	19	21	2	10.5%	0	1	1	Bachelor's degree plus work experience
11-9032	Education Administrators, Elementary and Secondary School	183	188	5	2.7%	1	5	6	Bachelor's degree plus work experience
11-9033	Education Administrators, Postsecondary	59	57	-2	-3.4%	0	2	2	Bachelor's degree plus work experience
11-9039	Education Administrators, All Other	12	14	2	16.7%	0	0	0	Bachelor's degree plus work experience
11-9041	Engineering Managers	70	66	-4	-5.7%	0	1	1	Bachelor's degree plus work experience
11-9051	Food Service Managers	228	246	18	7.9%	2	4	6	Work experience in a related occupation
11-9061	Funeral Directors	20	22	2	10.0%	0	1	1	Associate degree
11-9081	Lodging Managers	45	44	-1	-2.2%	0	1	1	Work experience in a related occupation
11-9111	Medical and Health Services Managers	209	260	51	24.4%	5	4	9	Bachelor's degree plus work experience
11-9121	Natural Sciences Managers	20	22	2	10.0%	0	0	0	Bachelor's degree plus work experience
11-9131	Postmasters and Mail Superintendents	47	40	-7	-14.9%	0	1	1	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	73	79	6	8.2%	1	1	2	Bachelor's degree

Employment and Job Openings for All Occupations in Central Maine in 2002 and Projected 2012
(Sorted by Occupational Group)

SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
11-9151	Social and Community Service Managers	208	270	62	29.8%	6	4	10	Bachelor's degree
11-9199	Managers, All Other	257	284	27	10.5%	3	5	8	Work experience in a related occupation
13-0000	Business and Financial Operations Occupations	2,095	2,302	207	9.9%	21	39	60	NA
13-1021	Purchasing Agents and Buyers, Farm Products	10	10	0	0.0%	0	0	0	Work experience in a related occupation
13-1022	Wholesale and Retail Buyers, Except Farm Products	117	123	6	5.1%	1	3	4	Work experience in a related occupation
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	94	99	5	5.3%	1	2	3	Work experience in a related occupation
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	113	118	5	4.4%	1	3	4	Long-term on-the-job training
13-1051	Cost Estimators	77	79	2	2.6%	0	2	2	Work experience in a related occupation
13-1061	Emergency Management Specialists	17	19	2	11.8%	0	0	0	Work experience in a related occupation
13-1071	Employment, Recruitment, and Placement Specialists	81	80	-1	-1.2%	0	1	1	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	47	55	8	17.0%	1	1	2	Bachelor's degree
13-1073	Training and Development Specialists	138	166	28	20.3%	3	2	5	Bachelor's degree
13-1111	Management Analysts	150	166	16	10.7%	2	2	4	Bachelor's degree plus work experience
13-1121	Meeting and Convention Planners	11	11	0	0.0%	0	0	0	Bachelor's degree
13-1199	Business Operations Specialists, All Other	365	437	72	19.7%	7	6	13	Bachelor's degree
13-2011	Accountants and Auditors	346	372	26	7.5%	3	7	10	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	121	124	3	2.5%	0	3	3	Postsecondary vocational award
13-2031	Budget Analysts	17	19	2	11.8%	0	0	0	Bachelor's degree
13-2051	Financial Analysts	30	35	5	16.7%	1	0	1	Bachelor's degree
13-2052	Personal Financial Advisors	30	40	10	33.3%	1	0	1	Bachelor's degree
13-2053	Insurance Underwriters	14	14	0	0.0%	0	0	0	Bachelor's degree
13-2072	Loan Officers	88	90	2	2.3%	0	1	1	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	91	94	3	3.3%	0	2	2	Bachelor's degree
13-2082	Tax Preparers	19	22	3	15.8%	0	0	0	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	53	57	4	7.5%	0	1	1	Bachelor's degree
15-0000	Computer and Mathematical Occupations	865	944	79	9.1%	10	11	21	NA
15-1021	Computer Programmers	120	103	-17	-14.2%	0	3	3	Bachelor's degree
15-1031	Computer Software Engineers, Applications	183	195	12	6.6%	1	2	3	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	35	39	4	11.4%	0	0	0	Bachelor's degree
15-1041	Computer Support Specialists	187	207	20	10.7%	2	2	4	Associate degree
15-1051	Computer Systems Analysts	147	172	25	17.0%	3	2	5	Bachelor's degree

Employment and Job Openings for All Occupations in Central Maine in 2002 and Projected 2012
(Sorted by Occupational Group)

SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
15-1061	Database Administrators	25	30	5	20.0%	1	0	1	Bachelor's degree
15-1071	Network and Computer Systems Administrators	94	105	11	11.7%	1	1	2	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	39	51	12	30.8%	1	1	2	Bachelor's degree
15-1099	Computer Specialists, All Other	23	29	6	26.1%	1	0	1	Associate degree
17-0000	Architecture and Engineering Occupations	868	844	-24	-2.8%	3	19	22	NA
17-1011	Architects, Except Landscape and Naval	41	46	5	12.2%	1	1	2	Bachelor's degree
17-1022	Surveyors	30	28	-2	-6.7%	0	1	1	Bachelor's degree
17-2041	Chemical Engineers	27	25	-2	-7.4%	0	1	1	Bachelor's degree
17-2051	Civil Engineers	137	137	0	0.0%	0	2	2	Bachelor's degree
17-2071	Electrical Engineers	57	50	-7	-12.3%	0	1	1	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	30	30	0	0.0%	0	1	1	Bachelor's degree
17-2081	Environmental Engineers	19	22	3	15.8%	0	0	0	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	20	19	-1	-5.0%	0	1	1	Bachelor's degree
17-2112	Industrial Engineers	47	40	-7	-14.9%	0	1	1	Bachelor's degree
17-2141	Mechanical Engineers	53	44	-9	-17.0%	0	1	1	Bachelor's degree
17-3011	Architectural and Civil Drafters	57	53	-4	-7.0%	0	2	2	Postsecondary vocational award
17-3013	Mechanical Drafters	34	29	-5	-14.7%	0	1	1	Postsecondary vocational award
17-3022	Civil Engineering Technicians	86	94	8	9.3%	1	2	3	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	43	42	-1	-2.3%	0	1	1	Associate degree
17-3026	Industrial Engineering Technicians	21	17	-4	-19.0%	0	0	0	Associate degree
17-3031	Surveying and Mapping Technicians	31	34	3	9.7%	0	1	1	Moderate-term on-the-job training
17-3099	Drafters, Engineering, and Mapping Technicians, All Other	28	30	2	7.1%	0	1	1	Associate degree
19-0000	Life, Physical, and Social Science Occupations	564	660	96	17.0%	10	13	23	NA
19-1010	Agricultural and Food Scientists	14	17	3	21.4%	0	0	0	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	26	30	4	15.4%	0	1	1	Bachelor's degree
19-1031	Conservation Scientists	13	13	0	0.0%	0	0	0	Bachelor's degree
19-1032	Foresters	27	29	2	7.4%	0	1	1	Bachelor's degree
19-1099	Life Scientists, All Other	11	13	2	18.2%	0	0	0	Bachelor's degree
19-2031	Chemists	13	13	0	0.0%	0	0	0	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	72	92	20	27.8%	2	1	3	Master's degree
19-3011	Economists	12	14	2	16.7%	0	0	0	Master's degree

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19-3021	Market Research Analysts	24	24	0	0.0%	0	1	1	Master's degree
19-3031	Clinical, Counseling, and School Psychologists	120	152	32	26.7%	3	3	6	Doctoral degree
19-3051	Urban and Regional Planners	29	29	0	0.0%	0	1	1	Master's degree
19-3099	Social Scientists and Related Workers, All Other	28	32	4	14.3%	0	1	1	Master's degree
19-4021	Biological Technicians	36	46	10	27.8%	1	1	2	Associate degree
19-4091	Environmental Science and Protection Technicians, Including Health	29	35	6	20.7%	1	1	2	Associate degree
19-4099	Life, Physical, and Social Science Technicians, All Other	26	24	-2	-7.7%	0	1	1	Associate degree
21-0000	Community and Social Services Occupations	2,352	3,080	728	31.0%	73	45	118	NA
21-1011	Substance Abuse and Behavioral Disorder Counselors	66	75	9	13.6%	1	2	3	Master's degree
21-1012	Educational, Vocational, and School Counselors	162	161	-1	-0.6%	0	4	4	Master's degree
21-1014	Mental Health Counselors	129	162	33	25.6%	3	3	6	Master's degree
21-1015	Rehabilitation Counselors	213	281	68	31.9%	7	5	12	Master's degree
21-1021	Child, Family, and School Social Workers	341	437	96	28.2%	10	6	16	Bachelor's degree
21-1022	Medical and Public Health Social Workers	102	132	30	29.4%	3	2	5	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	212	296	84	39.6%	8	4	12	Master's degree
21-1091	Health Educators	54	65	11	20.4%	1	1	2	Master's degree
21-1092	Probation Officers and Correctional Treatment Specialists	68	88	20	29.4%	2	1	3	Bachelor's degree
21-1093	Social and Human Service Assistants	542	839	297	54.8%	30	10	40	Moderate-term on-the-job training
21-2011	Clergy	285	308	23	8.1%	2	6	8	First Professional degree
21-2021	Directors, Religious Activities and Education	30	36	6	20.0%	1	0	1	Bachelor's degree
21-9099	Counselors, Social, and Religious Workers, All Other	141	191	50	35.5%	5	3	8	Bachelor's degree
23-0000	Legal Occupations	477	524	47	9.9%	5	6	11	NA
23-1011	Lawyers	275	312	37	13.5%	4	4	8	First Professional degree
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	22	25	3	13.6%	0	0	0	Bachelor's degree plus work experience
23-1023	Judges, Magistrate Judges, and Magistrates	17	18	1	5.9%	0	0	0	Bachelor's degree plus work experience
23-2011	Paralegals and Legal Assistants	84	90	6	7.1%	1	1	2	Associate degree
23-2091	Court Reporters	14	15	1	7.1%	0	0	0	Postsecondary vocational award
23-2093	Title Examiners, Abstractors, and Searchers	12	10	-2	-16.7%	0	0	0	Moderate-term on-the-job training
23-9099	Legal and Related Workers, All Other	45	45	0	0.0%	0	1	1	Bachelor's degree
25-0000	Education, Training, and Library Occupations	5,571	5,699	128	2.3%	31	120	151	NA
25-1011	Business Teachers, Postsecondary	44	30	-14	-31.8%	0	1	1	Master's degree

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25-1021	Computer Science Teachers, Postsecondary	23	8	-15	-65.2%	0	1	1	Master's degree
25-1022	Mathematical Science Teachers, Postsecondary	27	22	-5	-18.5%	0	1	1	Master's degree
25-1032	Engineering Teachers, Postsecondary	15	17	2	13.3%	0	0	0	Doctoral degree
25-1042	Biological Science Teachers, Postsecondary	20	25	5	25.0%	1	1	2	Doctoral degree
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	13	15	2	15.4%	0	0	0	Doctoral degree
25-1066	Psychology Teachers, Postsecondary	13	14	1	7.7%	0	0	0	Doctoral degree
25-1071	Health Specialties Teachers, Postsecondary	54	53	-1	-1.9%	0	1	1	Master's degree
25-1072	Nursing Instructors and Teachers, Postsecondary	19	20	1	5.3%	0	0	0	Doctoral degree
25-1081	Education Teachers, Postsecondary	40	45	5	12.5%	1	1	2	Doctoral degree
25-1121	Art, Drama, and Music Teachers, Postsecondary	22	28	6	27.3%	1	1	2	Master's degree
25-1123	English Language and Literature Teachers, Postsecondary	40	37	-3	-7.5%	0	1	1	Master's degree
25-1126	Philosophy and Religion Teachers, Postsecondary	16	21	5	31.3%	1	0	1	Doctoral degree
25-1191	Graduate Teaching Assistants	96	118	22	22.9%	2	2	4	Bachelor's degree
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	11	13	2	18.2%	0	0	0	Master's degree
25-1194	Vocational Education Teachers, Postsecondary	48	24	-24	-50.0%	0	1	1	Work experience in a related occupation
25-1199	Postsecondary Teachers, All Other	71	62	-9	-12.7%	0	2	2	Doctoral degree
25-2011	Preschool Teachers, Except Special Education	172	191	19	11.0%	2	2	4	Postsecondary vocational award
25-2012	Kindergarten Teachers, Except Special Education	159	173	14	8.8%	1	2	3	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	877	842	-35	-4.0%	0	19	19	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	499	454	-45	-9.0%	0	11	11	Bachelor's degree
25-2023	Vocational Education Teachers, Middle School	11	10	-1	-9.1%	0	0	0	Bachelor's degree plus work experience
25-2031	Secondary School Teachers, Except Special and Vocational Education	845	834	-11	-1.3%	0	24	24	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	38	35	-3	-7.9%	0	1	1	Bachelor's degree plus work experience
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	190	207	17	8.9%	2	5	7	Bachelor's degree
25-2042	Special Education Teachers, Middle School	76	85	9	11.8%	1	2	3	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	95	104	9	9.5%	1	2	3	Bachelor's degree
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	22	24	2	9.1%	0	0	0	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	96	141	45	46.9%	5	1	6	Work experience in a related occupation
25-3999	Teachers, Primary, Secondary, and Adult, All Other	392	463	71	18.1%	7	5	12	Bachelor's degree
25-4010	Archivists, Curators, and Museum Technicians	20	22	2	10.0%	0	0	0	Master's degree
25-4021	Librarians	99	94	-5	-5.1%	0	2	2	Master's degree

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25-4031	Library Technicians	157	155	-2	-1.3%	0	6	6	Short-term on-the-job training
25-9031	Instructional Coordinators	40	48	8	20.0%	1	1	2	Master's degree
25-9041	Teacher Assistants	1,084	1,122	38	3.5%	4	21	25	Short-term on-the-job training
25-9199	Library, Museum, Training, and Other Education Workers, All Other	10	13	3	30.0%	0	0	0	Bachelor's degree
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	870	984	114	13.1%	12	16	28	NA
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	36	34	-2	-5.6%	0	1	1	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	31	28	-3	-9.7%	0	1	1	Bachelor's degree
27-1021	Commercial and Industrial Designers	13	10	-3	-23.1%	0	0	0	Bachelor's degree
27-1023	Floral Designers	67	72	5	7.5%	1	1	2	Moderate-term on-the-job training
27-1024	Graphic Designers	42	48	6	14.3%	1	1	2	Bachelor's degree
27-1025	Interior Designers	21	25	4	19.0%	0	0	0	Bachelor's degree
27-1026	Merchandise Displayers and Window Trimmers	57	79	22	38.6%	2	1	3	Moderate-term on-the-job training
27-1099	Art and Design Workers, All Other	13	15	2	15.4%	0	0	0	Bachelor's degree
27-2012	Producers and Directors	10	11	1	10.0%	0	0	0	Bachelor's degree plus work experience
27-2021	Athletes and Sports Competitors	12	15	3	25.0%	0	0	0	Long-term on-the-job training
27-2022	Coaches and Scouts	135	151	16	11.9%	2	3	5	Long-term on-the-job training
27-2023	Umpires, Referees, and Other Sports Officials	13	18	5	38.5%	1	0	1	Long-term on-the-job training
27-2041	Music Directors and Composers	28	32	4	14.3%	0	1	1	Bachelor's degree plus work experience
27-2042	Musicians and Singers	72	85	13	18.1%	1	2	3	Long-term on-the-job training
27-3020	News Analysts, Reporters and Correspondents	24	25	1	4.2%	0	1	1	Bachelor's degree plus work experience
27-3031	Public Relations Specialists	49	59	10	20.4%	1	1	2	Bachelor's degree
27-3041	Editors	48	50	2	4.2%	0	1	1	Bachelor's degree
27-3042	Technical Writers	10	11	1	10.0%	0	0	0	Bachelor's degree
27-3043	Writers and Authors	51	56	5	9.8%	1	1	2	Bachelor's degree
27-3091	Interpreters and Translators	36	45	9	25.0%	1	0	1	Long-term on-the-job training
27-3099	Media and Communication Workers, All Other	14	14	0	0.0%	0	0	0	Long-term on-the-job training
27-4021	Photographers	39	45	6	15.4%	1	1	2	Long-term on-the-job training
29-0000	Healthcare Practitioners and Technical Occupations	5,127	6,136	1,009	19.7%	102	95	197	NA
29-1011	Chiropractors	41	50	9	22.0%	1	1	2	First Professional degree
29-1020	Dentists	76	70	-6	-7.9%	0	1	1	First Professional degree
29-1031	Dietitians and Nutritionists	39	45	6	15.4%	1	1	2	Bachelor's degree

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29-1041	Optometrists	26	31	5	19.2%	1	1	2	First Professional degree
29-1051	Pharmacists	139	173	34	24.5%	3	3	6	First Professional degree
29-1061	Anesthesiologists	17	19	2	11.8%	0	0	0	First Professional degree
29-1062	Family and General Practitioners	115	134	19	16.5%	2	2	4	First Professional degree
29-1063	Internists, General	41	48	7	17.1%	1	1	2	First Professional degree
29-1064	Obstetricians and Gynecologists	19	22	3	15.8%	0	0	0	First Professional degree
29-1065	Pediatricians, General	21	24	3	14.3%	0	0	0	First Professional degree
29-1066	Psychiatrists	26	34	8	30.8%	1	0	1	First Professional degree
29-1067	Surgeons	60	72	12	20.0%	1	1	2	First Professional degree
29-1069	Physicians and Surgeons, All Other	147	163	16	10.9%	2	2	4	First Professional degree
29-1071	Physician Assistants	90	136	46	51.1%	5	1	6	Bachelor's degree
29-1081	Podiatrists	23	26	3	13.0%	0	1	1	First Professional degree
29-1111	Registered Nurses	2,017	2,428	411	20.4%	41	42	83	Associate degree
29-1122	Occupational Therapists	72	90	18	25.0%	2	1	3	Bachelor's degree
29-1123	Physical Therapists	144	184	40	27.8%	4	1	5	Master's degree
29-1124	Radiation Therapists	10	12	2	20.0%	0	0	0	Associate degree
29-1125	Recreational Therapists	28	31	3	10.7%	0	1	1	Bachelor's degree
29-1126	Respiratory Therapists	64	88	24	37.5%	2	2	4	Associate degree
29-1127	Speech-Language Pathologists	97	116	19	19.6%	2	2	4	Master's degree
29-1131	Veterinarians	46	54	8	17.4%	1	1	2	First Professional degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	12	15	3	25.0%	0	0	0	Bachelor's degree
29-2011	Medical and Clinical Laboratory Technologists	92	104	12	13.0%	1	3	4	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	75	84	9	12.0%	1	2	3	Associate degree
29-2021	Dental Hygienists	121	150	29	24.0%	3	1	4	Associate degree
29-2031	Cardiovascular Technologists and Technicians	35	47	12	34.3%	1	1	2	Associate degree
29-2032	Diagnostic Medical Sonographers	23	27	4	17.4%	0	0	0	Associate degree
29-2033	Nuclear Medicine Technologists	11	14	3	27.3%	0	0	0	Associate degree
29-2034	Radiologic Technologists and Technicians	129	150	21	16.3%	2	2	4	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	336	371	35	10.4%	4	4	8	Postsecondary vocational award
29-2051	Dietetic Technicians	26	31	5	19.2%	1	0	1	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	166	203	37	22.3%	4	2	6	Moderate-term on-the-job training

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29-2053	Psychiatric Technicians	55	57	2	3.6%	0	1	1	Moderate-term on-the-job training
29-2055	Surgical Technologists	56	71	15	26.8%	2	1	3	Postsecondary vocational award
29-2056	Veterinary Technologists and Technicians	45	61	16	35.6%	2	1	3	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses	333	360	27	8.1%	3	7	10	Postsecondary vocational award
29-2071	Medical Records and Health Information Technicians	131	193	62	47.3%	6	2	8	Associate degree
29-2081	Opticians, Dispensing	23	27	4	17.4%	0	0	0	Long-term on-the-job training
29-9010	Occupational Health and Safety Specialists and Technicians	30	30	0	0.0%	0	1	1	Bachelor's degree
29-9199	Health Professionals and Technicians, All Other	49	60	11	22.4%	1	1	2	Postsecondary vocational award
31-0000	Healthcare Support Occupations	2,933	3,608	675	23.0%	68	43	111	NA
31-1011	Home Health Aides	766	1,034	268	35.0%	27	10	37	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,366	1,519	153	11.2%	15	18	33	Short-term on-the-job training
31-1013	Psychiatric Aides	87	91	4	4.6%	0	1	1	Short-term on-the-job training
31-2011	Occupational Therapist Assistants	12	16	4	33.3%	0	0	0	Associate degree
31-2012	Occupational Therapist Aides	11	14	3	27.3%	0	0	0	Short-term on-the-job training
31-2021	Physical Therapist Assistants	46	67	21	45.7%	2	1	3	Associate degree
31-2022	Physical Therapist Aides	20	27	7	35.0%	1	0	1	Short-term on-the-job training
31-9011	Massage Therapists	53	78	25	47.2%	3	1	4	Postsecondary vocational award
31-9091	Dental Assistants	116	142	26	22.4%	3	3	6	Moderate-term on-the-job training
31-9092	Medical Assistants	218	339	121	55.5%	12	4	16	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	29	34	5	17.2%	1	1	2	Short-term on-the-job training
31-9094	Medical Transcriptionists	94	115	21	22.3%	2	2	4	Postsecondary vocational award
31-9095	Pharmacy Aides	10	10	0	0.0%	0	0	0	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	44	50	6	13.6%	1	1	2	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Other	61	72	11	18.0%	1	1	2	Short-term on-the-job training
33-0000	Protective Service Occupations	3,006	3,267	261	8.7%	26	84	110	NA
33-1011	First-Line Supervisors/Managers of Correctional Officers	23	24	1	4.3%	0	1	1	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	138	147	9	6.5%	1	5	6	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	65	69	4	6.2%	0	3	3	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	35	34	-1	-2.9%	0	1	1	Work experience in a related occupation
33-2011	Fire Fighters	733	805	72	9.8%	7	21	28	Long-term on-the-job training
33-2021	Fire Inspectors and Investigators	13	14	1	7.7%	0	0	0	Work experience in a related occupation

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33-2022	Forest Fire Inspectors and Prevention Specialists	11	15	4	36.4%	0	0	0	Work experience in a related occupation
33-3011	Bailiffs	21	21	0	0.0%	0	0	0	Moderate-term on-the-job training
33-3012	Correctional Officers and Jailers	463	497	34	7.3%	3	10	13	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	105	111	6	5.7%	1	3	4	Work experience in a related occupation
33-3031	Fish and Game Wardens	25	28	3	12.0%	0	1	1	Long-term on-the-job training
33-3041	Parking Enforcement Workers	20	20	0	0.0%	0	0	0	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	803	913	110	13.7%	11	21	32	Long-term on-the-job training
33-9011	Animal Control Workers	33	33	0	0.0%	0	2	2	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	13	15	2	15.4%	0	0	0	Work experience in a related occupation
33-9032	Security Guards	308	310	2	0.6%	0	7	7	Short-term on-the-job training
33-9091	Crossing Guards	105	108	3	2.9%	0	3	3	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	82	92	10	12.2%	1	6	7	Short-term on-the-job training
35-0000	Food Preparation and Serving Related Occupations	6,400	6,831	431	6.7%	49	250	299	NA
35-1011	Chefs and Head Cooks	94	103	9	9.6%	1	3	4	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	480	498	18	3.8%	2	11	13	Work experience in a related occupation
35-2011	Cooks, Fast Food	253	250	-3	-1.2%	0	8	8	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	448	393	-55	-12.3%	0	14	14	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	356	384	28	7.9%	3	11	14	Long-term on-the-job training
35-2015	Cooks, Short Order	217	222	5	2.3%	1	7	8	Short-term on-the-job training
35-2021	Food Preparation Workers	777	863	86	11.1%	9	28	37	Short-term on-the-job training
35-3011	Bartenders	230	230	0	0.0%	0	9	9	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,544	1,740	196	12.7%	20	67	87	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	263	289	26	9.9%	3	17	20	Short-term on-the-job training
35-3031	Waiters and Waitresses	960	1,056	96	10.0%	10	49	59	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	131	132	1	0.8%	0	4	4	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	154	167	13	8.4%	1	5	6	Short-term on-the-job training
35-9021	Dishwashers	344	341	-3	-0.9%	0	12	12	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	138	150	12	8.7%	1	4	5	Short-term on-the-job training
35-9099	Food Preparation and Serving Related Workers, All Other	10	12	2	20.0%	0	0	0	Short-term on-the-job training
37-0000	Building and Grounds Cleaning and Maintenance Occupations	3,080	3,313	233	7.6%	23	62	85	NA
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	110	118	8	7.3%	1	3	4	Work experience in a related occupation

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		2002	2012	Net	Percent	Growth	Replacement	Total	
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	82	94	12	14.6%	1	1	2	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,365	1,416	51	3.7%	5	26	31	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	796	866	70	8.8%	7	17	24	Short-term on-the-job training
37-2021	Pest Control Workers	11	12	1	9.1%	0	0	0	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	632	721	89	14.1%	9	14	23	Short-term on-the-job training
37-3013	Tree Trimmers and Pruners	58	59	1	1.7%	0	1	1	Short-term on-the-job training
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other	17	19	2	11.8%	0	0	0	Short-term on-the-job training
39-0000	Personal Care and Service Occupations	2,914	3,697	783	26.9%	78	67	145	NA
39-1021	First-Line Supervisors/Managers of Personal Service Workers	126	161	35	27.8%	4	3	7	Work experience in a related occupation
39-2021	Nonfarm Animal Caretakers	33	42	9	27.3%	1	1	2	Short-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	18	20	2	11.1%	0	1	1	Postsecondary vocational award
39-3031	Ushers, Lobby Attendants, and Ticket Takers	27	31	4	14.8%	0	2	2	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	148	178	30	20.3%	3	4	7	Short-term on-the-job training
39-3199	Gaming Workers, All Other	20	22	2	10.0%	0	1	1	Moderate-term on-the-job training
39-4021	Funeral Attendants	16	19	3	18.8%	0	0	0	Short-term on-the-job training
39-5011	Barbers	31	31	0	0.0%	0	1	1	Postsecondary vocational award
39-5012	Hairdressers, Hairstylists, and Cosmetologists	273	291	18	6.6%	2	5	7	Postsecondary vocational award
39-6021	Tour Guides and Escorts	24	34	10	41.7%	1	1	2	Moderate-term on-the-job training
39-9011	Child Care Workers	834	952	118	14.1%	12	23	35	Short-term on-the-job training
39-9021	Personal and Home Care Aides	799	1,238	439	54.9%	44	13	57	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	114	152	38	33.3%	4	3	7	Postsecondary vocational award
39-9032	Recreation Workers	240	275	35	14.6%	4	6	10	Bachelor's degree
39-9041	Residential Advisors	82	105	23	28.0%	2	2	4	Moderate-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	60	72	12	20.0%	1	1	2	Short-term on-the-job training
41-0000	Sales and Related Occupations	8,137	8,799	662	8.1%	69	275	344	NA
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,188	1,321	133	11.2%	13	21	34	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	170	186	16	9.4%	2	3	5	Work experience in a related occupation
41-2011	Cashiers	2,261	2,470	209	9.2%	21	110	131	Short-term on-the-job training
41-2021	Counter and Rental Clerks	214	240	26	12.1%	3	8	11	Short-term on-the-job training
41-2022	Parts Salespersons	224	217	-7	-3.1%	0	6	6	Moderate-term on-the-job training
41-2031	Retail Salespersons	2,397	2,537	140	5.8%	14	87	101	Short-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
41-3011	Advertising Sales Agents	40	44	4	10.0%	0	1	1	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	145	154	9	6.2%	1	4	5	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	35	43	8	22.9%	1	0	1	Bachelor's degree
41-3041	Travel Agents	18	13	-5	-27.8%	0	0	0	Postsecondary vocational award
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	140	151	11	7.9%	1	4	5	Moderate-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	633	708	75	11.8%	8	17	25	Moderate-term on-the-job training
41-9011	Demonstrators and Product Promoters	42	51	9	21.4%	1	1	2	Moderate-term on-the-job training
41-9021	Real Estate Brokers	72	81	9	12.5%	1	1	2	Work experience in a related occupation
41-9022	Real Estate Sales Agents	38	44	6	15.8%	1	1	2	Postsecondary vocational award
41-9031	Sales Engineers	15	14	-1	-6.7%	0	0	0	Bachelor's degree
41-9041	Telemarketers	182	167	-15	-8.2%	0	3	3	Short-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	96	106	10	10.4%	1	2	3	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	213	238	25	11.7%	3	4	7	Moderate-term on-the-job training
43-0000	Office and Administrative Support Occupations	12,276	11,888	-388	-3.2%	31	284	315	NA
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	720	707	-13	-1.8%	0	15	15	Work experience in a related occupation
43-2011	Switchboard Operators, Including Answering Service	127	108	-19	-15.0%	0	3	3	Short-term on-the-job training
43-3011	Bill and Account Collectors	176	205	29	16.5%	3	3	6	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	302	300	-2	-0.7%	0	5	5	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,296	1,236	-60	-4.6%	0	24	24	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	135	122	-13	-9.6%	0	4	4	Moderate-term on-the-job training
43-3061	Procurement Clerks	20	15	-5	-25.0%	0	1	1	Short-term on-the-job training
43-3071	Tellers	333	342	9	2.7%	1	16	17	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	266	283	17	6.4%	2	6	8	Short-term on-the-job training
43-4051	Customer Service Representatives	735	803	68	9.3%	7	11	18	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	124	110	-14	-11.3%	0	3	3	Moderate-term on-the-job training
43-4071	File Clerks	84	78	-6	-7.1%	0	3	3	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	94	109	15	16.0%	2	4	6	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	85	109	24	28.2%	2	2	4	Short-term on-the-job training
43-4121	Library Assistants, Clerical	38	40	2	5.3%	0	2	2	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	61	47	-14	-23.0%	0	1	1	Short-term on-the-job training
43-4141	New Accounts Clerks	50	51	1	2.0%	0	1	1	Work experience in a related occupation

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		2002	2012	Net	Percent	Growth	Replacement	Total	
43-4151	Order Clerks	133	121	-12	-9.0%	0	3	3	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	73	78	5	6.8%	1	2	3	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	507	586	79	15.6%	8	13	21	Short-term on-the-job training
43-4999	Financial, Information, and Record Clerks, All Other	112	109	-3	-2.7%	0	2	2	Short-term on-the-job training
43-5011	Cargo and Freight Agents	20	20	0	0.0%	0	1	1	Moderate-term on-the-job training
43-5021	Couriers and Messengers	136	145	9	6.6%	1	3	4	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	274	275	1	0.4%	0	6	6	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	106	109	3	2.8%	0	2	2	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	66	55	-11	-16.7%	0	2	2	Short-term on-the-job training
43-5051	Postal Service Clerks	78	66	-12	-15.4%	0	2	2	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	236	198	-38	-16.1%	0	7	7	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	73	56	-17	-23.3%	0	2	2	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	69	64	-5	-7.2%	0	2	2	Short-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	411	406	-5	-1.2%	0	8	8	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	916	821	-95	-10.4%	0	34	34	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	28	28	0	0.0%	0	1	1	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	603	584	-19	-3.2%	0	12	12	Moderate-term on-the-job training
43-6012	Legal Secretaries	109	110	1	0.9%	0	2	2	Postsecondary vocational award
43-6013	Medical Secretaries	291	322	31	10.7%	3	6	9	Postsecondary vocational award
43-6014	Secretaries, Except Legal, Medical, and Executive	1,240	1,113	-127	-10.2%	0	24	24	Moderate-term on-the-job training
43-9011	Computer Operators	76	55	-21	-27.6%	0	2	2	Moderate-term on-the-job training
43-9021	Data Entry Keyers	128	101	-27	-21.1%	0	3	3	Moderate-term on-the-job training
43-9022	Word Processors and Typists	208	125	-83	-39.9%	0	5	5	Moderate-term on-the-job training
43-9031	Desktop Publishers	11	18	7	63.6%	1	0	1	Postsecondary vocational award
43-9041	Insurance Claims and Policy Processing Clerks	42	42	0	0.0%	0	1	1	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	52	47	-5	-9.6%	0	2	2	Short-term on-the-job training
43-9061	Office Clerks, General	1,421	1,393	-28	-2.0%	0	32	32	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	27	25	-2	-7.4%	0	1	1	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	14	12	-2	-14.3%	0	0	0	Short-term on-the-job training
43-9111	Statistical Assistants	13	12	-1	-7.7%	0	0	0	Moderate-term on-the-job training
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other	86	76	-10	-11.6%	0	2	2	Short-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
45-0000	Farming, Fishing, and Forestry Occupations	823	871	48	5.8%	8	18	26	NA
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	40	46	6	15.0%	1	1	2	Work experience in a related occupation
45-2011	Agricultural Inspectors	10	12	2	20.0%	0	0	0	Work experience in a related occupation
45-2041	Graders and Sorters, Agricultural Products	19	21	2	10.5%	0	1	1	Work experience in a related occupation
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	133	150	17	12.8%	2	4	6	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	111	159	48	43.2%	5	3	8	Short-term on-the-job training
45-4021	Fallers	191	183	-8	-4.2%	0	4	4	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	290	273	-17	-5.9%	0	5	5	Moderate-term on-the-job training
45-4023	Log Graders and Scalers	14	12	-2	-14.3%	0	0	0	Moderate-term on-the-job training
47-0000	Construction and Extraction Occupations	5,288	5,281	-7	-0.1%	6	97	103	NA
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	594	597	3	0.5%	0	10	10	Work experience in a related occupation
47-2011	Boilermakers	13	10	-3	-23.1%	0	1	1	Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	83	80	-3	-3.6%	0	1	1	Long-term on-the-job training
47-2022	Stonemasons	19	18	-1	-5.3%	0	0	0	Long-term on-the-job training
47-2031	Carpenters	1,145	1,137	-8	-0.7%	0	19	19	Long-term on-the-job training
47-2041	Carpet Installers	30	31	1	3.3%	0	1	1	Moderate-term on-the-job training
47-2043	Floor Sanders and Finishers	11	10	-1	-9.1%	0	0	0	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	15	17	2	13.3%	0	0	0	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	96	102	6	6.3%	1	2	3	Moderate-term on-the-job training
47-2061	Construction Laborers	789	788	-1	-0.1%	0	11	11	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	66	65	-1	-1.5%	0	1	1	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	365	367	2	0.5%	0	9	9	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	52	54	2	3.8%	0	1	1	Moderate-term on-the-job training
47-2111	Electricians	274	276	2	0.7%	0	5	5	Long-term on-the-job training
47-2121	Glaziers	14	15	1	7.1%	0	0	0	Long-term on-the-job training
47-2130	Insulation Workers	15	15	0	0.0%	0	1	1	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	214	208	-6	-2.8%	0	3	3	Moderate-term on-the-job training
47-2142	Paperhangers	13	11	-2	-15.4%	0	0	0	Moderate-term on-the-job training
47-2151	Pipelayers	84	84	0	0.0%	0	2	2	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	183	172	-11	-6.0%	0	4	4	Long-term on-the-job training
47-2181	Roofers	70	66	-4	-5.7%	0	2	2	Moderate-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
47-2211	Sheet Metal Workers	83	81	-2	-2.4%	0	2	2	Moderate-term on-the-job training
47-2221	Structural Iron and Steel Workers	58	61	3	5.2%	0	1	1	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	36	31	-5	-13.9%	0	2	2	Short-term on-the-job training
47-3012	Helpers--Carpenters	67	64	-3	-4.5%	0	3	3	Short-term on-the-job training
47-3013	Helpers--Electricians	44	41	-3	-6.8%	0	2	2	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	14	11	-3	-21.4%	0	1	1	Short-term on-the-job training
47-3016	Helpers--Roofers	12	11	-1	-8.3%	0	1	1	Short-term on-the-job training
47-4011	Construction and Building Inspectors	42	43	1	2.4%	0	1	1	Work experience in a related occupation
47-4021	Elevator Installers and Repairers	19	17	-2	-10.5%	0	1	1	Long-term on-the-job training
47-4041	Hazardous Materials Removal Workers	15	17	2	13.3%	0	0	0	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	636	665	29	4.6%	3	9	12	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	19	18	-1	-5.3%	0	0	0	Moderate-term on-the-job training
47-4999	Construction Trades and Related Workers, All Other	19	19	0	0.0%	0	0	0	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	28	27	-1	-3.6%	0	1	1	Moderate-term on-the-job training
49-0000	Installation, Maintenance, and Repair Occupations	3,566	3,755	189	5.3%	26	84	110	NA
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	274	290	16	5.8%	2	7	9	Work experience in a related occupation
49-2011	Computer, Automated Teller, and Office Machine Repairers	47	49	2	4.3%	0	1	1	Postsecondary vocational award
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	81	77	-4	-4.9%	0	2	2	Long-term on-the-job training
49-2092	Electric Motor, Power Tool, and Related Repairers	25	20	-5	-20.0%	0	1	1	Postsecondary vocational award
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	23	26	3	13.0%	0	1	1	Postsecondary vocational award
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	35	26	-9	-25.7%	0	1	1	Postsecondary vocational award
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	13	12	-1	-7.7%	0	0	0	Postsecondary vocational award
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	13	15	2	15.4%	0	0	0	Postsecondary vocational award
49-3011	Aircraft Mechanics and Service Technicians	12	13	1	8.3%	0	0	0	Postsecondary vocational award
49-3021	Automotive Body and Related Repairers	128	141	13	10.2%	1	3	4	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	11	13	2	18.2%	0	0	0	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	730	798	68	9.3%	7	19	26	Postsecondary vocational award
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	212	217	5	2.4%	1	6	7	Postsecondary vocational award
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	112	117	5	4.5%	1	2	3	Postsecondary vocational award
49-3043	Rail Car Repairers	15	14	-1	-6.7%	0	0	0	Long-term on-the-job training
49-3051	Motorboat Mechanics	59	77	18	30.5%	2	2	4	Long-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	45	54	9	20.0%	1	1	2	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	12	17	5	41.7%	1	1	2	Long-term on-the-job training
49-3093	Tire Repairers and Changers	60	66	6	10.0%	1	3	4	Short-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	39	43	4	10.3%	0	1	1	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	184	211	27	14.7%	3	2	5	Long-term on-the-job training
49-9031	Home Appliance Repairers	21	22	1	4.8%	0	1	1	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	95	78	-17	-17.9%	0	2	2	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	744	787	43	5.8%	4	14	18	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	48	42	-6	-12.5%	0	1	1	Short-term on-the-job training
49-9044	Millwrights	91	73	-18	-19.8%	0	2	2	Long-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	115	114	-1	-0.9%	0	4	4	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	56	54	-2	-3.6%	0	2	2	Long-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	19	14	-5	-26.3%	0	1	1	Long-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	20	20	0	0.0%	0	1	1	Moderate-term on-the-job training
49-9094	Locksmiths and Safe Repairers	13	13	0	0.0%	0	0	0	Moderate-term on-the-job training
49-9095	Manufactured Building and Mobile Home Installers	18	24	6	33.3%	1	0	1	Moderate-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	47	52	5	10.6%	1	2	3	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	81	88	7	8.6%	1	2	3	Moderate-term on-the-job training
51-0000	Production Occupations	6,020	4,970	-1,050	-17.4%	3	139	142	NA
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	407	360	-47	-11.5%	0	9	9	Work experience in a related occupation
51-2021	Coil Winders, Tapers, and Finishers	16	12	-4	-25.0%	0	0	0	Short-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	97	76	-21	-21.6%	0	2	2	Short-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	11	10	-1	-9.1%	0	0	0	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	22	21	-1	-4.5%	0	1	1	Moderate-term on-the-job training
51-2092	Team Assemblers	503	369	-134	-26.6%	0	13	13	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	103	92	-11	-10.7%	0	3	3	Moderate-term on-the-job training
51-3011	Bakers	59	66	7	11.9%	1	1	2	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	74	70	-4	-5.4%	0	2	2	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	21	21	0	0.0%	0	1	1	Short-term on-the-job training
51-3092	Food Batchmakers	12	13	1	8.3%	0	0	0	Short-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	43	39	-4	-9.3%	0	1	1	Moderate-term on-the-job training

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SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
51-4012	Numerical Tool and Process Control Programmers	16	16	0	0.0%	0	0	0	Long-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	10	9	-1	-10.0%	0	0	0	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	67	56	-11	-16.4%	0	2	2	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	15	12	-3	-20.0%	0	0	0	Moderate-term on-the-job training
51-4033	Grinding/Lapping/Polishing&Buffing Machine Tool Setters/Operators/Tenders, Metal&Plastic	15	12	-3	-20.0%	0	0	0	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	16	13	-3	-18.8%	0	0	0	Moderate-term on-the-job training
51-4041	Machinists	289	255	-34	-11.8%	0	7	7	Long-term on-the-job training
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	17	13	-4	-23.5%	0	0	0	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	33	30	-3	-9.1%	0	1	1	Moderate-term on-the-job training
51-4111	Tool and Die Makers	14	11	-3	-21.4%	0	0	0	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	176	167	-9	-5.1%	0	5	5	Long-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	35	30	-5	-14.3%	0	1	1	Moderate-term on-the-job training
51-5011	Bindery Workers	55	47	-8	-14.5%	0	2	2	Short-term on-the-job training
51-5021	Job Printers	13	13	0	0.0%	0	0	0	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	43	35	-8	-18.6%	0	1	1	Long-term on-the-job training
51-5023	Printing Machine Operators	105	99	-6	-5.7%	0	2	2	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	126	127	1	0.8%	0	3	3	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	23	20	-3	-13.0%	0	0	0	Short-term on-the-job training
51-6031	Sewing Machine Operators	462	378	-84	-18.2%	0	6	6	Moderate-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	95	43	-52	-54.7%	0	3	3	Long-term on-the-job training
51-6042	Shoe Machine Operators and Tenders	148	57	-91	-61.5%	0	2	2	Moderate-term on-the-job training
51-6051	Sewers, Hand	133	67	-66	-49.6%	0	2	2	Short-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	16	13	-3	-18.8%	0	0	0	Long-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	52	55	3	5.8%	0	1	1	Long-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	57	54	-3	-5.3%	0	1	1	Moderate-term on-the-job training
51-6093	Upholsterers	14	14	0	0.0%	0	0	0	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	59	49	-10	-16.9%	0	2	2	Long-term on-the-job training
51-7021	Furniture Finishers	13	12	-1	-7.7%	0	0	0	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	89	66	-23	-25.8%	0	3	3	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	166	115	-51	-30.7%	0	4	4	Moderate-term on-the-job training
51-7099	Woodworkers, All Other	21	17	-4	-19.0%	0	1	1	Moderate-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
51-8012	Power Distributors and Dispatchers	16	13	-3	-18.8%	0	0	0	Long-term on-the-job training
51-8013	Power Plant Operators	33	32	-1	-3.0%	0	1	1	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	52	41	-11	-21.2%	0	1	1	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	171	168	-3	-1.8%	0	6	6	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	35	26	-9	-25.7%	0	1	1	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	18	14	-4	-22.2%	0	1	1	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	28	22	-6	-21.4%	0	1	1	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	52	40	-12	-23.1%	0	1	1	Moderate-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	139	105	-34	-24.5%	0	3	3	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	43	32	-11	-25.6%	0	1	1	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	16	12	-4	-25.0%	0	0	0	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	213	196	-17	-8.0%	0	5	5	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	14	15	1	7.1%	0	0	0	Postsecondary vocational award
51-9081	Dental Laboratory Technicians	19	17	-2	-10.5%	0	0	0	Long-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	127	121	-6	-4.7%	0	3	3	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	103	78	-25	-24.3%	0	3	3	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	29	41	12	41.4%	1	1	2	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	28	26	-2	-7.1%	0	1	1	Short-term on-the-job training
51-9131	Photographic Process Workers	18	19	1	5.6%	0	0	0	Moderate-term on-the-job training
51-9132	Photographic Processing Machine Operators	33	29	-4	-12.1%	0	1	1	Short-term on-the-job training
51-9191	Cementing and Gluing Machine Operators and Tenders	21	10	-11	-52.4%	0	1	1	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	162	135	-27	-16.7%	0	3	3	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	178	148	-30	-16.9%	0	5	5	Short-term on-the-job training
51-9199	Production Workers, All Other	383	299	-84	-21.9%	0	9	9	Moderate-term on-the-job training
53-0000	Transportation and Material Moving Occupations	5,944	5,860	-84	-1.4%	21	132	153	NA
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	72	80	8	11.1%	1	2	3	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	94	96	2	2.1%	0	2	2	Work experience in a related occupation
53-2012	Commercial Pilots	12	9	-3	-25.0%	0	0	0	Postsecondary vocational award
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	13	13	0	0.0%	0	0	0	Moderate-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	147	145	-2	-1.4%	0	3	3	Moderate-term on-the-job training
53-3022	Bus Drivers, School	398	334	-64	-16.1%	0	9	9	Short-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
53-3031	Driver/Sales Workers	236	222	-14	-5.9%	0	4	4	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,380	1,471	91	6.6%	9	23	32	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	564	628	64	11.3%	6	5	11	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	79	91	12	15.2%	1	1	2	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	61	76	15	24.6%	2	1	3	Short-term on-the-job training
53-4011	Locomotive Engineers	31	32	1	3.2%	0	1	1	Work experience in a related occupation
53-4031	Railroad Conductors and Yardmasters	44	46	2	4.5%	0	1	1	Work experience in a related occupation
53-5011	Sailors and Marine Oilers	23	27	4	17.4%	0	1	1	Short-term on-the-job training
53-6021	Parking Lot Attendants	12	11	-1	-8.3%	0	0	0	Short-term on-the-job training
53-6031	Service Station Attendants	161	159	-2	-1.2%	0	7	7	Short-term on-the-job training
53-7011	Conveyor Operators and Tenders	53	42	-11	-20.8%	0	2	2	Short-term on-the-job training
53-7021	Crane and Tower Operators	33	33	0	0.0%	0	1	1	Moderate-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	119	116	-3	-2.5%	0	3	3	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	264	253	-11	-4.2%	0	5	5	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	141	148	7	5.0%	1	5	6	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,049	970	-79	-7.5%	0	34	34	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	290	215	-75	-25.9%	0	8	8	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	396	391	-5	-1.3%	0	7	7	Short-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	187	169	-18	-9.6%	0	5	5	Short-term on-the-job training
53-7199	Material Moving Workers, All Other	13	11	-2	-15.4%	0	0	0	Moderate-term on-the-job training

Details may not add to totals due to rounding and due to the suppression of confidential data.

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(Sorted Alphabetically)

SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
13-2011	Accountants and Auditors	346	372	26	7.5%	3	7	10	Bachelor's degree
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	22	25	3	13.6%	0	0	0	Bachelor's degree plus work experience
11-3011	Administrative Services Managers	135	137	2	1.5%	0	3	3	Bachelor's degree plus work experience
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	22	24	2	9.1%	0	0	0	Bachelor's degree
11-2011	Advertising and Promotions Managers	41	44	3	7.3%	0	1	1	Bachelor's degree plus work experience
41-3011	Advertising Sales Agents	40	44	4	10.0%	0	1	1	Moderate-term on-the-job training
19-1010	Agricultural and Food Scientists	14	17	3	21.4%	0	0	0	Bachelor's degree
45-2011	Agricultural Inspectors	10	12	2	20.0%	0	0	0	Work experience in a related occupation
49-3011	Aircraft Mechanics and Service Technicians	12	13	1	8.3%	0	0	0	Postsecondary vocational award
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	13	13	0	0.0%	0	0	0	Moderate-term on-the-job training
39-3091	Amusement and Recreation Attendants	148	178	30	20.3%	3	4	7	Short-term on-the-job training
29-1061	Anesthesiologists	17	19	2	11.8%	0	0	0	First Professional degree
33-9011	Animal Control Workers	33	33	0	0.0%	0	2	2	Moderate-term on-the-job training
13-2021	Appraisers and Assessors of Real Estate	121	124	3	2.5%	0	3	3	Postsecondary vocational award
17-1011	Architects, Except Landscape and Naval	41	46	5	12.2%	1	1	2	Bachelor's degree
17-3011	Architectural and Civil Drafters	57	53	-4	-7.0%	0	2	2	Postsecondary vocational award
25-4010	Archivists, Curators, and Museum Technicians	20	22	2	10.0%	0	0	0	Master's degree
27-1099	Art and Design Workers, All Other	13	15	2	15.4%	0	0	0	Bachelor's degree
25-1121	Art, Drama, and Music Teachers, Postsecondary	22	28	6	27.3%	1	1	2	Master's degree
51-2099	Assemblers and Fabricators, All Other	103	92	-11	-10.7%	0	3	3	Moderate-term on-the-job training
27-2021	Athletes and Sports Competitors	12	15	3	25.0%	0	0	0	Long-term on-the-job training
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	13	15	2	15.4%	0	0	0	Doctoral degree
49-3021	Automotive Body and Related Repairers	128	141	13	10.2%	1	3	4	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	11	13	2	18.2%	0	0	0	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	730	798	68	9.3%	7	19	26	Postsecondary vocational award
33-3011	Bailiffs	21	21	0	0.0%	0	0	0	Moderate-term on-the-job training
51-3011	Bakers	59	66	7	11.9%	1	1	2	Long-term on-the-job training
39-5011	Barbers	31	31	0	0.0%	0	1	1	Postsecondary vocational award
35-3011	Bartenders	230	230	0	0.0%	0	9	9	Short-term on-the-job training
43-3011	Bill and Account Collectors	176	205	29	16.5%	3	3	6	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	302	300	-2	-0.7%	0	5	5	Moderate-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
51-5011	Bindery Workers	55	47	-8	-14.5%	0	2	2	Short-term on-the-job training
25-1042	Biological Science Teachers, Postsecondary	20	25	5	25.0%	1	1	2	Doctoral degree
19-4021	Biological Technicians	36	46	10	27.8%	1	1	2	Associate degree
47-2011	Boilermakers	13	10	-3	-23.1%	0	1	1	Long-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,296	1,236	-60	-4.6%	0	24	24	Moderate-term on-the-job training
47-2021	Brickmasons and Blockmasons	83	80	-3	-3.6%	0	1	1	Long-term on-the-job training
13-2031	Budget Analysts	17	19	2	11.8%	0	0	0	Bachelor's degree
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other	17	19	2	11.8%	0	0	0	Short-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	212	217	5	2.4%	1	6	7	Postsecondary vocational award
53-3022	Bus Drivers, School	398	334	-64	-16.1%	0	9	9	Short-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	147	145	-2	-1.4%	0	3	3	Moderate-term on-the-job training
13-1199	Business Operations Specialists, All Other	365	437	72	19.7%	7	6	13	Bachelor's degree
25-1011	Business Teachers, Postsecondary	44	30	-14	-31.8%	0	1	1	Master's degree
51-3021	Butchers and Meat Cutters	74	70	-4	-5.4%	0	2	2	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	59	49	-10	-16.9%	0	2	2	Long-term on-the-job training
29-2031	Cardiovascular Technologists and Technicians	35	47	12	34.3%	1	1	2	Associate degree
43-5011	Cargo and Freight Agents	20	20	0	0.0%	0	1	1	Moderate-term on-the-job training
47-2031	Carpenters	1,145	1,137	-8	-0.7%	0	19	19	Long-term on-the-job training
47-2041	Carpet Installers	30	31	1	3.3%	0	1	1	Moderate-term on-the-job training
41-2011	Cashiers	2,261	2,470	209	9.2%	21	110	131	Short-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	96	102	6	6.3%	1	2	3	Moderate-term on-the-job training
51-9191	Cementing and Gluing Machine Operators and Tenders	21	10	-11	-52.4%	0	1	1	Moderate-term on-the-job training
35-1011	Chefs and Head Cooks	94	103	9	9.6%	1	3	4	Work experience in a related occupation
17-2041	Chemical Engineers	27	25	-2	-7.4%	0	1	1	Bachelor's degree
51-9011	Chemical Equipment Operators and Tenders	35	26	-9	-25.7%	0	1	1	Moderate-term on-the-job training
19-2031	Chemists	13	13	0	0.0%	0	0	0	Bachelor's degree
11-1011	Chief Executives	314	325	11	3.5%	1	6	7	Bachelor's degree plus work experience
39-9011	Child Care Workers	834	952	118	14.1%	12	23	35	Short-term on-the-job training
21-1021	Child, Family, and School Social Workers	341	437	96	28.2%	10	6	16	Bachelor's degree
29-1011	Chiropractors	41	50	9	22.0%	1	1	2	First Professional degree
17-3022	Civil Engineering Technicians	86	94	8	9.3%	1	2	3	Associate degree

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17-2051	Civil Engineers	137	137	0	0.0%	0	2	2	Bachelor's degree
53-7061	Cleaners of Vehicles and Equipment	141	148	7	5.0%	1	5	6	Short-term on-the-job training
21-2011	Clergy	285	308	23	8.1%	2	6	8	First Professional degree
19-3031	Clinical, Counseling, and School Psychologists	120	152	32	26.7%	3	3	6	Doctoral degree
27-2022	Coaches and Scouts	135	151	16	11.9%	2	3	5	Long-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	103	78	-25	-24.3%	0	3	3	Moderate-term on-the-job training
51-2021	Coil Winders, Tapers, and Finishers	16	12	-4	-25.0%	0	0	0	Short-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	20	20	0	0.0%	0	1	1	Moderate-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,544	1,740	196	12.7%	20	67	87	Short-term on-the-job training
27-1021	Commercial and Industrial Designers	13	10	-3	-23.1%	0	0	0	Bachelor's degree
53-2012	Commercial Pilots	12	9	-3	-25.0%	0	0	0	Postsecondary vocational award
13-1072	Compensation, Benefits, and Job Analysis Specialists	47	55	8	17.0%	1	1	2	Bachelor's degree
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	113	118	5	4.4%	1	3	4	Long-term on-the-job training
11-3021	Computer and Information Systems Managers	149	167	18	12.1%	2	3	5	Bachelor's degree plus work experience
43-9011	Computer Operators	76	55	-21	-27.6%	0	2	2	Moderate-term on-the-job training
15-1021	Computer Programmers	120	103	-17	-14.2%	0	3	3	Bachelor's degree
25-1021	Computer Science Teachers, Postsecondary	23	8	-15	-65.2%	0	1	1	Master's degree
15-1031	Computer Software Engineers, Applications	183	195	12	6.6%	1	2	3	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	35	39	4	11.4%	0	0	0	Bachelor's degree
15-1099	Computer Specialists, All Other	23	29	6	26.1%	1	0	1	Associate degree
15-1041	Computer Support Specialists	187	207	20	10.7%	2	2	4	Associate degree
15-1051	Computer Systems Analysts	147	172	25	17.0%	3	2	5	Bachelor's degree
49-2011	Computer, Automated Teller, and Office Machine Repairers	47	49	2	4.3%	0	1	1	Postsecondary vocational award
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	43	39	-4	-9.3%	0	1	1	Moderate-term on-the-job training
19-1031	Conservation Scientists	13	13	0	0.0%	0	0	0	Bachelor's degree
47-4011	Construction and Building Inspectors	42	43	1	2.4%	0	1	1	Work experience in a related occupation
47-2061	Construction Laborers	789	788	-1	-0.1%	0	11	11	Moderate-term on-the-job training
11-9021	Construction Managers	272	269	-3	-1.1%	0	5	5	Bachelor's degree
47-4999	Construction Trades and Related Workers, All Other	19	19	0	0.0%	0	0	0	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	39	43	4	10.3%	0	1	1	Moderate-term on-the-job training
53-7011	Conveyor Operators and Tenders	53	42	-11	-20.8%	0	2	2	Short-term on-the-job training

Employment and Job Openings for All Occupations in Central Maine in 2002 and Projected 2012
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SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
35-2011	Cooks, Fast Food	253	250	-3	-1.2%	0	8	8	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	448	393	-55	-12.3%	0	14	14	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	356	384	28	7.9%	3	11	14	Long-term on-the-job training
35-2015	Cooks, Short Order	217	222	5	2.3%	1	7	8	Short-term on-the-job training
33-3012	Correctional Officers and Jailers	463	497	34	7.3%	3	10	13	Moderate-term on-the-job training
13-1051	Cost Estimators	77	79	2	2.6%	0	2	2	Work experience in a related occupation
21-9099	Counselors, Social, and Religious Workers, All Other	141	191	50	35.5%	5	3	8	Bachelor's degree
41-2021	Counter and Rental Clerks	214	240	26	12.1%	3	8	11	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	263	289	26	9.9%	3	17	20	Short-term on-the-job training
43-5021	Couriers and Messengers	136	145	9	6.6%	1	3	4	Short-term on-the-job training
23-2091	Court Reporters	14	15	1	7.1%	0	0	0	Postsecondary vocational award
43-4031	Court, Municipal, and License Clerks	266	283	17	6.4%	2	6	8	Short-term on-the-job training
53-7021	Crane and Tower Operators	33	33	0	0.0%	0	1	1	Moderate-term on-the-job training
33-9091	Crossing Guards	105	108	3	2.9%	0	3	3	Short-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	28	22	-6	-21.4%	0	1	1	Moderate-term on-the-job training
43-4051	Customer Service Representatives	735	803	68	9.3%	7	11	18	Moderate-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	139	105	-34	-24.5%	0	3	3	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	67	56	-11	-16.4%	0	2	2	Moderate-term on-the-job training
43-9021	Data Entry Keyers	128	101	-27	-21.1%	0	3	3	Moderate-term on-the-job training
15-1061	Database Administrators	25	30	5	20.0%	1	0	1	Bachelor's degree
41-9011	Demonstrators and Product Promoters	42	51	9	21.4%	1	1	2	Moderate-term on-the-job training
31-9091	Dental Assistants	116	142	26	22.4%	3	3	6	Moderate-term on-the-job training
29-2021	Dental Hygienists	121	150	29	24.0%	3	1	4	Associate degree
51-9081	Dental Laboratory Technicians	19	17	-2	-10.5%	0	0	0	Long-term on-the-job training
29-1020	Dentists	76	70	-6	-7.9%	0	1	1	First Professional degree
43-9031	Desktop Publishers	11	18	7	63.6%	1	0	1	Postsecondary vocational award
33-3021	Detectives and Criminal Investigators	105	111	6	5.7%	1	3	4	Work experience in a related occupation
29-2032	Diagnostic Medical Sonographers	23	27	4	17.4%	0	0	0	Associate degree
29-2051	Dietetic Technicians	26	31	5	19.2%	1	0	1	Moderate-term on-the-job training
29-1031	Dietitians and Nutritionists	39	45	6	15.4%	1	1	2	Bachelor's degree
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	154	167	13	8.4%	1	5	6	Short-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
21-2021	Directors, Religious Activities and Education	30	36	6	20.0%	1	0	1	Bachelor's degree
35-9021	Dishwashers	344	341	-3	-0.9%	0	12	12	Short-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	106	109	3	2.8%	0	2	2	Moderate-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	96	106	10	10.4%	1	2	3	Short-term on-the-job training
17-3099	Drafters, Engineering, and Mapping Technicians, All Other	28	30	2	7.1%	0	1	1	Associate degree
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	15	12	-3	-20.0%	0	0	0	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	236	222	-14	-5.9%	0	4	4	Short-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	52	54	2	3.8%	0	1	1	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	28	27	-1	-3.6%	0	1	1	Moderate-term on-the-job training
19-3011	Economists	12	14	2	16.7%	0	0	0	Master's degree
27-3041	Editors	48	50	2	4.2%	0	1	1	Bachelor's degree
11-9039	Education Administrators, All Other	12	14	2	16.7%	0	0	0	Bachelor's degree plus work experience
11-9032	Education Administrators, Elementary and Secondary School	183	188	5	2.7%	1	5	6	Bachelor's degree plus work experience
11-9033	Education Administrators, Postsecondary	59	57	-2	-3.4%	0	2	2	Bachelor's degree plus work experience
11-9031	Education Administrators, Preschool and Child Care Center/Program	19	21	2	10.5%	0	1	1	Bachelor's degree plus work experience
25-1081	Education Teachers, Postsecondary	40	45	5	12.5%	1	1	2	Doctoral degree
21-1012	Educational, Vocational, and School Counselors	162	161	-1	-0.6%	0	4	4	Master's degree
49-2092	Electric Motor, Power Tool, and Related Repairers	25	20	-5	-20.0%	0	1	1	Postsecondary vocational award
17-3023	Electrical and Electronic Engineering Technicians	43	42	-1	-2.3%	0	1	1	Associate degree
51-2022	Electrical and Electronic Equipment Assemblers	97	76	-21	-21.6%	0	2	2	Short-term on-the-job training
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	23	26	3	13.0%	0	1	1	Postsecondary vocational award
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	35	26	-9	-25.7%	0	1	1	Postsecondary vocational award
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	13	12	-1	-7.7%	0	0	0	Postsecondary vocational award
17-2071	Electrical Engineers	57	50	-7	-12.3%	0	1	1	Bachelor's degree
49-9051	Electrical Power-Line Installers and Repairers	115	114	-1	-0.9%	0	4	4	Long-term on-the-job training
47-2111	Electricians	274	276	2	0.7%	0	5	5	Long-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	11	10	-1	-9.1%	0	0	0	Short-term on-the-job training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	13	15	2	15.4%	0	0	0	Postsecondary vocational award
17-2072	Electronics Engineers, Except Computer	30	30	0	0.0%	0	1	1	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	877	842	-35	-4.0%	0	19	19	Bachelor's degree
47-4021	Elevator Installers and Repairers	19	17	-2	-10.5%	0	1	1	Long-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
43-4061	Eligibility Interviewers, Government Programs	124	110	-14	-11.3%	0	3	3	Moderate-term on-the-job training
13-1061	Emergency Management Specialists	17	19	2	11.8%	0	0	0	Work experience in a related occupation
29-2041	Emergency Medical Technicians and Paramedics	336	371	35	10.4%	4	4	8	Postsecondary vocational award
13-1071	Employment, Recruitment, and Placement Specialists	81	80	-1	-1.2%	0	1	1	Bachelor's degree
11-9041	Engineering Managers	70	66	-4	-5.7%	0	1	1	Bachelor's degree plus work experience
25-1032	Engineering Teachers, Postsecondary	15	17	2	13.3%	0	0	0	Doctoral degree
25-1123	English Language and Literature Teachers, Postsecondary	40	37	-3	-7.5%	0	1	1	Master's degree
17-2081	Environmental Engineers	19	22	3	15.8%	0	0	0	Bachelor's degree
19-4091	Environmental Science and Protection Technicians, Including Health	29	35	6	20.7%	1	1	2	Associate degree
19-2041	Environmental Scientists and Specialists, Including Health	72	92	20	27.8%	2	1	3	Master's degree
53-7032	Excavating and Loading Machine and Dragline Operators	119	116	-3	-2.5%	0	3	3	Moderate-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	603	584	-19	-3.2%	0	12	12	Moderate-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	10	9	-1	-10.0%	0	0	0	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	43	32	-11	-25.6%	0	1	1	Moderate-term on-the-job training
45-4021	Fallers	191	183	-8	-4.2%	0	4	4	Moderate-term on-the-job training
29-1062	Family and General Practitioners	115	134	19	16.5%	2	2	4	First Professional degree
11-9011	Farm, Ranch, and Other Agricultural Managers	85	109	24	28.2%	2	2	4	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	236	229	-7	-3.0%	0	1	1	Long-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	133	150	17	12.8%	2	4	6	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	111	159	48	43.2%	5	3	8	Short-term on-the-job training
43-4071	File Clerks	84	78	-6	-7.1%	0	3	3	Short-term on-the-job training
13-2051	Financial Analysts	30	35	5	16.7%	1	0	1	Bachelor's degree
11-3031	Financial Managers	324	349	25	7.7%	3	5	8	Bachelor's degree plus work experience
13-2099	Financial Specialists, All Other	53	57	4	7.5%	0	1	1	Bachelor's degree
43-4999	Financial, Information, and Record Clerks, All Other	112	109	-3	-2.7%	0	2	2	Short-term on-the-job training
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	36	34	-2	-5.6%	0	1	1	Long-term on-the-job training
33-2011	Fire Fighters	733	805	72	9.8%	7	21	28	Long-term on-the-job training
33-2021	Fire Inspectors and Investigators	13	14	1	7.7%	0	0	0	Work experience in a related occupation
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	594	597	3	0.5%	0	10	10	Work experience in a related occupation
33-1011	First-Line Supervisors/Managers of Correctional Officers	23	24	1	4.3%	0	1	1	Work experience in a related occupation
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	40	46	6	15.0%	1	1	2	Work experience in a related occupation

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		2002	2012	Net	Percent	Growth	Replacement	Total	
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	65	69	4	6.2%	0	3	3	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	480	498	18	3.8%	2	11	13	Work experience in a related occupation
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	72	80	8	11.1%	1	2	3	Work experience in a related occupation
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	110	118	8	7.3%	1	3	4	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	82	94	12	14.6%	1	1	2	Work experience in a related occupation
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	274	290	16	5.8%	2	7	9	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	170	186	16	9.4%	2	3	5	Work experience in a related occupation
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	720	707	-13	-1.8%	0	15	15	Work experience in a related occupation
39-1021	First-Line Supervisors/Managers of Personal Service Workers	126	161	35	27.8%	4	3	7	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	138	147	9	6.5%	1	5	6	Work experience in a related occupation
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	407	360	-47	-11.5%	0	9	9	Work experience in a related occupation
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,188	1,321	133	11.2%	13	21	34	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	94	96	2	2.1%	0	2	2	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	35	34	-1	-2.9%	0	1	1	Work experience in a related occupation
33-3031	Fish and Game Wardens	25	28	3	12.0%	0	1	1	Long-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	114	152	38	33.3%	4	3	7	Postsecondary vocational award
47-2043	Floor Sanders and Finishers	11	10	-1	-9.1%	0	0	0	Moderate-term on-the-job training
27-1023	Floral Designers	67	72	5	7.5%	1	1	2	Moderate-term on-the-job training
51-3092	Food Batchmakers	12	13	1	8.3%	0	0	0	Short-term on-the-job training
35-9099	Food Preparation and Serving Related Workers, All Other	10	12	2	20.0%	0	0	0	Short-term on-the-job training
35-2021	Food Preparation Workers	777	863	86	11.1%	9	28	37	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	131	132	1	0.8%	0	4	4	Short-term on-the-job training
11-9051	Food Service Managers	228	246	18	7.9%	2	4	6	Work experience in a related occupation
33-2022	Forest Fire Inspectors and Prevention Specialists	11	15	4	36.4%	0	0	0	Work experience in a related occupation
19-1032	Foresters	27	29	2	7.4%	0	1	1	Bachelor's degree
39-4021	Funeral Attendants	16	19	3	18.8%	0	0	0	Short-term on-the-job training
11-9061	Funeral Directors	20	22	2	10.0%	0	1	1	Associate degree
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	16	12	-4	-25.0%	0	0	0	Moderate-term on-the-job training
51-7021	Furniture Finishers	13	12	-1	-7.7%	0	0	0	Long-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	18	20	2	11.1%	0	1	1	Postsecondary vocational award
39-3199	Gaming Workers, All Other	20	22	2	10.0%	0	1	1	Moderate-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
11-1021	General and Operations Managers	1,505	1,614	109	7.2%	11	28	39	Bachelor's degree plus work experience
47-2121	Glaziers	14	15	1	7.1%	0	0	0	Long-term on-the-job training
45-2041	Graders and Sorters, Agricultural Products	19	21	2	10.5%	0	1	1	Work experience in a related occupation
25-1191	Graduate Teaching Assistants	96	118	22	22.9%	2	2	4	Bachelor's degree
27-1024	Graphic Designers	42	48	6	14.3%	1	1	2	Bachelor's degree
51-4033	Grinding/Lapping/Polishing&Buffing Machine Tool Setters/Operators/Tenders, Metal&Plastic	15	12	-3	-20.0%	0	0	0	Moderate-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	273	291	18	6.6%	2	5	7	Postsecondary vocational award
47-4041	Hazardous Materials Removal Workers	15	17	2	13.3%	0	0	0	Moderate-term on-the-job training
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	20	19	-1	-5.0%	0	1	1	Bachelor's degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	12	15	3	25.0%	0	0	0	Bachelor's degree
21-1091	Health Educators	54	65	11	20.4%	1	1	2	Master's degree
29-9199	Health Professionals and Technicians, All Other	49	60	11	22.4%	1	1	2	Postsecondary vocational award
25-1071	Health Specialties Teachers, Postsecondary	54	53	-1	-1.9%	0	1	1	Master's degree
31-9099	Healthcare Support Workers, All Other	61	72	11	18.0%	1	1	2	Short-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	184	211	27	14.7%	3	2	5	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	36	31	-5	-13.9%	0	2	2	Short-term on-the-job training
47-3012	Helpers--Carpenters	67	64	-3	-4.5%	0	3	3	Short-term on-the-job training
47-3013	Helpers--Electricians	44	41	-3	-6.8%	0	2	2	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	47	52	5	10.6%	1	2	3	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	14	11	-3	-21.4%	0	1	1	Short-term on-the-job training
51-9198	Helpers--Production Workers	178	148	-30	-16.9%	0	5	5	Short-term on-the-job training
47-3016	Helpers--Roofers	12	11	-1	-8.3%	0	1	1	Short-term on-the-job training
47-4051	Highway Maintenance Workers	636	665	29	4.6%	3	9	12	Moderate-term on-the-job training
49-9031	Home Appliance Repairers	21	22	1	4.8%	0	1	1	Long-term on-the-job training
31-1011	Home Health Aides	766	1,034	268	35.0%	27	10	37	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	138	150	12	8.7%	1	4	5	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	94	109	15	16.0%	2	4	6	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	73	78	5	6.8%	1	2	3	Short-term on-the-job training
11-3040	Human Resources Managers	104	111	7	6.7%	1	2	3	Bachelor's degree plus work experience
17-3026	Industrial Engineering Technicians	21	17	-4	-19.0%	0	0	0	Associate degree
17-2112	Industrial Engineers	47	40	-7	-14.9%	0	1	1	Bachelor's degree

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49-9041	Industrial Machinery Mechanics	95	78	-17	-17.9%	0	2	2	Long-term on-the-job training
11-3051	Industrial Production Managers	78	65	-13	-16.7%	0	2	2	Bachelor's degree
53-7051	Industrial Truck and Tractor Operators	264	253	-11	-4.2%	0	5	5	Short-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	213	196	-17	-8.0%	0	5	5	Moderate-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	81	88	7	8.6%	1	2	3	Moderate-term on-the-job training
25-9031	Instructional Coordinators	40	48	8	20.0%	1	1	2	Master's degree
47-2130	Insulation Workers	15	15	0	0.0%	0	1	1	Moderate-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	42	42	0	0.0%	0	1	1	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	145	154	9	6.2%	1	4	5	Bachelor's degree
13-2053	Insurance Underwriters	14	14	0	0.0%	0	0	0	Bachelor's degree
27-1025	Interior Designers	21	25	4	19.0%	0	0	0	Bachelor's degree
29-1063	Internists, General	41	48	7	17.1%	1	1	2	First Professional degree
27-3091	Interpreters and Translators	36	45	9	25.0%	1	0	1	Long-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	85	109	24	28.2%	2	2	4	Short-term on-the-job training
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,365	1,416	51	3.7%	5	26	31	Short-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	14	15	1	7.1%	0	0	0	Postsecondary vocational award
51-5021	Job Printers	13	13	0	0.0%	0	0	0	Long-term on-the-job training
23-1023	Judges, Magistrate Judges, and Magistrates	17	18	1	5.9%	0	0	0	Bachelor's degree plus work experience
25-2012	Kindergarten Teachers, Except Special Education	159	173	14	8.8%	1	2	3	Bachelor's degree
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,049	970	-79	-7.5%	0	34	34	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	632	721	89	14.1%	9	14	23	Short-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	16	13	-3	-18.8%	0	0	0	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	126	127	1	0.8%	0	3	3	Moderate-term on-the-job training
23-1011	Lawyers	275	312	37	13.5%	4	4	8	First Professional degree
23-9099	Legal and Related Workers, All Other	45	45	0	0.0%	0	1	1	Bachelor's degree
43-6012	Legal Secretaries	109	110	1	0.9%	0	2	2	Postsecondary vocational award
11-1031	Legislators	164	150	-14	-8.5%	0	2	2	Bachelor's degree plus work experience
25-4021	Librarians	99	94	-5	-5.1%	0	2	2	Master's degree
43-4121	Library Assistants, Clerical	38	40	2	5.3%	0	2	2	Short-term on-the-job training
25-4031	Library Technicians	157	155	-2	-1.3%	0	6	6	Short-term on-the-job training
25-9199	Library, Museum, Training, and Other Education Workers, All Other	10	13	3	30.0%	0	0	0	Bachelor's degree

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SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
29-2061	Licensed Practical and Licensed Vocational Nurses	333	360	27	8.1%	3	7	10	Postsecondary vocational award
19-1099	Life Scientists, All Other	11	13	2	18.2%	0	0	0	Bachelor's degree
19-4099	Life, Physical, and Social Science Technicians, All Other	26	24	-2	-7.7%	0	1	1	Associate degree
43-4131	Loan Interviewers and Clerks	61	47	-14	-23.0%	0	1	1	Short-term on-the-job training
13-2072	Loan Officers	88	90	2	2.3%	0	1	1	Bachelor's degree
49-9094	Locksmiths and Safe Repairers	13	13	0	0.0%	0	0	0	Moderate-term on-the-job training
53-4011	Locomotive Engineers	31	32	1	3.2%	0	1	1	Work experience in a related occupation
11-9081	Lodging Managers	45	44	-1	-2.2%	0	1	1	Work experience in a related occupation
45-4023	Log Graders and Scalers	14	12	-2	-14.3%	0	0	0	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	290	273	-17	-5.9%	0	5	5	Moderate-term on-the-job training
53-7063	Machine Feeders and Offbearers	290	215	-75	-25.9%	0	8	8	Short-term on-the-job training
51-4041	Machinists	289	255	-34	-11.8%	0	7	7	Long-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	796	866	70	8.8%	7	17	24	Short-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	52	47	-5	-9.6%	0	2	2	Short-term on-the-job training
49-9042	Maintenance and Repair Workers, General	744	787	43	5.8%	4	14	18	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	48	42	-6	-12.5%	0	1	1	Short-term on-the-job training
13-1111	Management Analysts	150	166	16	10.7%	2	2	4	Bachelor's degree plus work experience
11-9199	Managers, All Other	257	284	27	10.5%	3	5	8	Work experience in a related occupation
49-9095	Manufactured Building and Mobile Home Installers	18	24	6	33.3%	1	0	1	Moderate-term on-the-job training
19-3021	Market Research Analysts	24	24	0	0.0%	0	1	1	Master's degree
11-2021	Marketing Managers	87	92	5	5.7%	1	2	3	Bachelor's degree plus work experience
31-9011	Massage Therapists	53	78	25	47.2%	3	1	4	Postsecondary vocational award
53-7199	Material Moving Workers, All Other	13	11	-2	-15.4%	0	0	0	Moderate-term on-the-job training
25-1022	Mathematical Science Teachers, Postsecondary	27	22	-5	-18.5%	0	1	1	Master's degree
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	21	21	0	0.0%	0	1	1	Short-term on-the-job training
17-3013	Mechanical Drafters	34	29	-5	-14.7%	0	1	1	Postsecondary vocational award
17-2141	Mechanical Engineers	53	44	-9	-17.0%	0	1	1	Bachelor's degree
27-3099	Media and Communication Workers, All Other	14	14	0	0.0%	0	0	0	Long-term on-the-job training
29-2012	Medical and Clinical Laboratory Technicians	75	84	9	12.0%	1	2	3	Associate degree
29-2011	Medical and Clinical Laboratory Technologists	92	104	12	13.0%	1	3	4	Bachelor's degree
11-9111	Medical and Health Services Managers	209	260	51	24.4%	5	4	9	Bachelor's degree plus work experience

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		2002	2012	Net	Percent	Growth	Replacement	Total	
21-1022	Medical and Public Health Social Workers	102	132	30	29.4%	3	2	5	Bachelor's degree
31-9092	Medical Assistants	218	339	121	55.5%	12	4	16	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	29	34	5	17.2%	1	1	2	Short-term on-the-job training
29-2071	Medical Records and Health Information Technicians	131	193	62	47.3%	6	2	8	Associate degree
43-6013	Medical Secretaries	291	322	31	10.7%	3	6	9	Postsecondary vocational award
31-9094	Medical Transcriptionists	94	115	21	22.3%	2	2	4	Postsecondary vocational award
13-1121	Meeting and Convention Planners	11	11	0	0.0%	0	0	0	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	212	296	84	39.6%	8	4	12	Master's degree
21-1014	Mental Health Counselors	129	162	33	25.6%	3	3	6	Master's degree
27-1026	Merchandise Displayers and Window Trimmers	57	79	22	38.6%	2	1	3	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	66	55	-11	-16.7%	0	2	2	Short-term on-the-job training
25-2022	Middle School Teachers, Except Special and Vocational Education	499	454	-45	-9.0%	0	11	11	Bachelor's degree
49-9044	Millwrights	91	73	-18	-19.8%	0	2	2	Long-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	52	40	-12	-23.1%	0	1	1	Moderate-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	112	117	5	4.5%	1	2	3	Postsecondary vocational award
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	17	13	-4	-23.5%	0	0	0	Moderate-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	61	76	15	24.6%	2	1	3	Short-term on-the-job training
49-3051	Motorboat Mechanics	59	77	18	30.5%	2	2	4	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	31	28	-3	-9.7%	0	1	1	Bachelor's degree
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	33	30	-3	-9.1%	0	1	1	Moderate-term on-the-job training
27-2041	Music Directors and Composers	28	32	4	14.3%	0	1	1	Bachelor's degree plus work experience
27-2042	Musicians and Singers	72	85	13	18.1%	1	2	3	Long-term on-the-job training
11-9121	Natural Sciences Managers	20	22	2	10.0%	0	0	0	Bachelor's degree plus work experience
15-1071	Network and Computer Systems Administrators	94	105	11	11.7%	1	1	2	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	39	51	12	30.8%	1	1	2	Bachelor's degree
43-4141	New Accounts Clerks	50	51	1	2.0%	0	1	1	Work experience in a related occupation
27-3020	News Analysts, Reporters and Correspondents	24	25	1	4.2%	0	1	1	Bachelor's degree plus work experience
39-2021	Nonfarm Animal Caretakers	33	42	9	27.3%	1	1	2	Short-term on-the-job training
29-2033	Nuclear Medicine Technologists	11	14	3	27.3%	0	0	0	Associate degree
51-4012	Numerical Tool and Process Control Programmers	16	16	0	0.0%	0	0	0	Long-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,366	1,519	153	11.2%	15	18	33	Short-term on-the-job training

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25-1072	Nursing Instructors and Teachers, Postsecondary	19	20	1	5.3%	0	0	0	Doctoral degree
29-1064	Obstetricians and Gynecologists	19	22	3	15.8%	0	0	0	First Professional degree
29-9010	Occupational Health and Safety Specialists and Technicians	30	30	0	0.0%	0	1	1	Bachelor's degree
31-2012	Occupational Therapist Aides	11	14	3	27.3%	0	0	0	Short-term on-the-job training
31-2011	Occupational Therapist Assistants	12	16	4	33.3%	0	0	0	Associate degree
29-1122	Occupational Therapists	72	90	18	25.0%	2	1	3	Bachelor's degree
43-9061	Office Clerks, General	1,421	1,393	-28	-2.0%	0	32	32	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	27	25	-2	-7.4%	0	1	1	Short-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	365	367	2	0.5%	0	9	9	Moderate-term on-the-job training
29-2081	Opticians, Dispensing	23	27	4	17.4%	0	0	0	Long-term on-the-job training
29-1041	Optometrists	26	31	5	19.2%	1	1	2	First Professional degree
43-4151	Order Clerks	133	121	-12	-9.0%	0	3	3	Short-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	45	54	9	20.0%	1	1	2	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	127	121	-6	-4.7%	0	3	3	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	396	391	-5	-1.3%	0	7	7	Short-term on-the-job training
47-2141	Painters, Construction and Maintenance	214	208	-6	-2.8%	0	3	3	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	29	41	12	41.4%	1	1	2	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	28	26	-2	-7.1%	0	1	1	Short-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	162	135	-27	-16.7%	0	3	3	Moderate-term on-the-job training
47-2142	Paperhangers	13	11	-2	-15.4%	0	0	0	Moderate-term on-the-job training
23-2011	Paralegals and Legal Assistants	84	90	6	7.1%	1	1	2	Associate degree
33-3041	Parking Enforcement Workers	20	20	0	0.0%	0	0	0	Short-term on-the-job training
53-6021	Parking Lot Attendants	12	11	-1	-8.3%	0	0	0	Short-term on-the-job training
41-2022	Parts Salespersons	224	217	-7	-3.1%	0	6	6	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	66	65	-1	-1.5%	0	1	1	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	135	122	-13	-9.6%	0	4	4	Moderate-term on-the-job training
29-1065	Pediatricians, General	21	24	3	14.3%	0	0	0	First Professional degree
39-9021	Personal and Home Care Aides	799	1,238	439	54.9%	44	13	57	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	60	72	12	20.0%	1	1	2	Short-term on-the-job training
13-2052	Personal Financial Advisors	30	40	10	33.3%	1	0	1	Bachelor's degree
37-2021	Pest Control Workers	11	12	1	9.1%	0	0	0	Moderate-term on-the-job training

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29-1051	Pharmacists	139	173	34	24.5%	3	3	6	First Professional degree
31-9095	Pharmacy Aides	10	10	0	0.0%	0	0	0	Short-term on-the-job training
29-2052	Pharmacy Technicians	166	203	37	22.3%	4	2	6	Moderate-term on-the-job training
25-1126	Philosophy and Religion Teachers, Postsecondary	16	21	5	31.3%	1	0	1	Doctoral degree
27-4021	Photographers	39	45	6	15.4%	1	1	2	Long-term on-the-job training
51-9131	Photographic Process Workers	18	19	1	5.6%	0	0	0	Moderate-term on-the-job training
51-9132	Photographic Processing Machine Operators	33	29	-4	-12.1%	0	1	1	Short-term on-the-job training
31-2022	Physical Therapist Aides	20	27	7	35.0%	1	0	1	Short-term on-the-job training
31-2021	Physical Therapist Assistants	46	67	21	45.7%	2	1	3	Associate degree
29-1123	Physical Therapists	144	184	40	27.8%	4	1	5	Master's degree
29-1071	Physician Assistants	90	136	46	51.1%	5	1	6	Bachelor's degree
29-1069	Physicians and Surgeons, All Other	147	163	16	10.9%	2	2	4	First Professional degree
47-2151	Pipelayers	84	84	0	0.0%	0	2	2	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	183	172	-11	-6.0%	0	4	4	Long-term on-the-job training
29-1081	Podiatrists	23	26	3	13.0%	0	1	1	First Professional degree
33-3051	Police and Sheriff's Patrol Officers	803	913	110	13.7%	11	21	32	Long-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	274	275	1	0.4%	0	6	6	Moderate-term on-the-job training
43-5051	Postal Service Clerks	78	66	-12	-15.4%	0	2	2	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	236	198	-38	-16.1%	0	7	7	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	73	56	-17	-23.3%	0	2	2	Short-term on-the-job training
11-9131	Postmasters and Mail Superintendents	47	40	-7	-14.9%	0	1	1	Work experience in a related occupation
25-1199	Postsecondary Teachers, All Other	71	62	-9	-12.7%	0	2	2	Doctoral degree
51-8012	Power Distributors and Dispatchers	16	13	-3	-18.8%	0	0	0	Long-term on-the-job training
51-8013	Power Plant Operators	33	32	-1	-3.0%	0	1	1	Long-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	19	14	-5	-26.3%	0	1	1	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	43	35	-8	-18.6%	0	1	1	Long-term on-the-job training
25-2011	Preschool Teachers, Except Special Education	172	191	19	11.0%	2	2	4	Postsecondary vocational award
51-6021	Pressers, Textile, Garment, and Related Materials	23	20	-3	-13.0%	0	0	0	Short-term on-the-job training
51-5023	Printing Machine Operators	105	99	-6	-5.7%	0	2	2	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	13	15	2	15.4%	0	0	0	Work experience in a related occupation
21-1092	Probation Officers and Correctional Treatment Specialists	68	88	20	29.4%	2	1	3	Bachelor's degree

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43-3061	Procurement Clerks	20	15	-5	-25.0%	0	1	1	Short-term on-the-job training
27-2012	Producers and Directors	10	11	1	10.0%	0	0	0	Bachelor's degree plus work experience
51-9199	Production Workers, All Other	383	299	-84	-21.9%	0	9	9	Moderate-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	69	64	-5	-7.2%	0	2	2	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	14	12	-2	-14.3%	0	0	0	Short-term on-the-job training
11-9141	Property, Real Estate, and Community Association Managers	73	79	6	8.2%	1	1	2	Bachelor's degree
33-9099	Protective Service Workers, All Other	82	92	10	12.2%	1	6	7	Short-term on-the-job training
31-1013	Psychiatric Aides	87	91	4	4.6%	0	1	1	Short-term on-the-job training
29-2053	Psychiatric Technicians	55	57	2	3.6%	0	1	1	Moderate-term on-the-job training
29-1066	Psychiatrists	26	34	8	30.8%	1	0	1	First Professional degree
25-1066	Psychology Teachers, Postsecondary	13	14	1	7.7%	0	0	0	Doctoral degree
11-2031	Public Relations Managers	33	39	6	18.2%	1	1	2	Bachelor's degree plus work experience
27-3031	Public Relations Specialists	49	59	10	20.4%	1	1	2	Bachelor's degree
13-1021	Purchasing Agents and Buyers, Farm Products	10	10	0	0.0%	0	0	0	Work experience in a related occupation
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	94	99	5	5.3%	1	2	3	Work experience in a related occupation
11-3061	Purchasing Managers	54	52	-2	-3.7%	0	1	1	Bachelor's degree plus work experience
29-1124	Radiation Therapists	10	12	2	20.0%	0	0	0	Associate degree
29-2034	Radiologic Technologists and Technicians	129	150	21	16.3%	2	2	4	Associate degree
49-3043	Rail Car Repairers	15	14	-1	-6.7%	0	0	0	Long-term on-the-job training
53-4031	Railroad Conductors and Yardmasters	44	46	2	4.5%	0	1	1	Work experience in a related occupation
47-4061	Rail-Track Laying and Maintenance Equipment Operators	19	18	-1	-5.3%	0	0	0	Moderate-term on-the-job training
41-9021	Real Estate Brokers	72	81	9	12.5%	1	1	2	Work experience in a related occupation
41-9022	Real Estate Sales Agents	38	44	6	15.8%	1	1	2	Postsecondary vocational award
43-4171	Receptionists and Information Clerks	507	586	79	15.6%	8	13	21	Short-term on-the-job training
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	11	13	2	18.2%	0	0	0	Master's degree
39-9032	Recreation Workers	240	275	35	14.6%	4	6	10	Bachelor's degree
29-1125	Recreational Therapists	28	31	3	10.7%	0	1	1	Bachelor's degree
49-3092	Recreational Vehicle Service Technicians	12	17	5	41.7%	1	1	2	Long-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	187	169	-18	-9.6%	0	5	5	Short-term on-the-job training
29-1111	Registered Nurses	2,017	2,428	411	20.4%	41	42	83	Associate degree
21-1015	Rehabilitation Counselors	213	281	68	31.9%	7	5	12	Master's degree

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39-9041	Residential Advisors	82	105	23	28.0%	2	2	4	Moderate-term on-the-job training
29-1126	Respiratory Therapists	64	88	24	37.5%	2	2	4	Associate degree
41-2031	Retail Salespersons	2,397	2,537	140	5.8%	14	87	101	Short-term on-the-job training
47-2181	Roofers	70	66	-4	-5.7%	0	2	2	Moderate-term on-the-job training
53-5011	Sailors and Marine Oilers	23	27	4	17.4%	0	1	1	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	213	238	25	11.7%	3	4	7	Moderate-term on-the-job training
41-9031	Sales Engineers	15	14	-1	-6.7%	0	0	0	Bachelor's degree
11-2022	Sales Managers	107	126	19	17.8%	2	2	4	Bachelor's degree plus work experience
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	140	151	11	7.9%	1	4	5	Moderate-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	633	708	75	11.8%	8	17	25	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	89	66	-23	-25.8%	0	3	3	Moderate-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	845	834	-11	-1.3%	0	24	24	Bachelor's degree
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other	86	76	-10	-11.6%	0	2	2	Short-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	1,240	1,113	-127	-10.2%	0	24	24	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	35	43	8	22.9%	1	0	1	Bachelor's degree
33-9032	Security Guards	308	310	2	0.6%	0	7	7	Short-term on-the-job training
25-3021	Self-Enrichment Education Teachers	96	141	45	46.9%	5	1	6	Work experience in a related occupation
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	18	14	-4	-22.2%	0	1	1	Moderate-term on-the-job training
53-6031	Service Station Attendants	161	159	-2	-1.2%	0	7	7	Short-term on-the-job training
51-6051	Sewers, Hand	133	67	-66	-49.6%	0	2	2	Short-term on-the-job training
51-6031	Sewing Machine Operators	462	378	-84	-18.2%	0	6	6	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	83	81	-2	-2.4%	0	2	2	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	411	406	-5	-1.2%	0	8	8	Short-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	95	43	-52	-54.7%	0	3	3	Long-term on-the-job training
51-6042	Shoe Machine Operators and Tenders	148	57	-91	-61.5%	0	2	2	Moderate-term on-the-job training
11-9151	Social and Community Service Managers	208	270	62	29.8%	6	4	10	Bachelor's degree
21-1093	Social and Human Service Assistants	542	839	297	54.8%	30	10	40	Moderate-term on-the-job training
19-3099	Social Scientists and Related Workers, All Other	28	32	4	14.3%	0	1	1	Master's degree
25-2042	Special Education Teachers, Middle School	76	85	9	11.8%	1	2	3	Bachelor's degree
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	190	207	17	8.9%	2	5	7	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	95	104	9	9.5%	1	2	3	Bachelor's degree

Employment and Job Openings for All Occupations in Central Maine in 2002 and Projected 2012
(Sorted Alphabetically)

SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
29-1127	Speech-Language Pathologists	97	116	19	19.6%	2	2	4	Master's degree
51-8021	Stationary Engineers and Boiler Operators	52	41	-11	-21.2%	0	1	1	Long-term on-the-job training
43-9111	Statistical Assistants	13	12	-1	-7.7%	0	0	0	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	916	821	-95	-10.4%	0	34	34	Short-term on-the-job training
47-2022	Stonemasons	19	18	-1	-5.3%	0	0	0	Long-term on-the-job training
47-2221	Structural Iron and Steel Workers	58	61	3	5.2%	0	1	1	Long-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	22	21	-1	-4.5%	0	1	1	Moderate-term on-the-job training
21-1011	Substance Abuse and Behavioral Disorder Counselors	66	75	9	13.6%	1	2	3	Master's degree
29-1067	Surgeons	60	72	12	20.0%	1	1	2	First Professional degree
29-2055	Surgical Technologists	56	71	15	26.8%	2	1	3	Postsecondary vocational award
17-3031	Surveying and Mapping Technicians	31	34	3	9.7%	0	1	1	Moderate-term on-the-job training
17-1022	Surveyors	30	28	-2	-6.7%	0	1	1	Bachelor's degree
43-2011	Switchboard Operators, Including Answering Service	127	108	-19	-15.0%	0	3	3	Short-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	16	13	-3	-18.8%	0	0	0	Long-term on-the-job training
13-2081	Tax Examiners, Collectors, and Revenue Agents	91	94	3	3.3%	0	2	2	Bachelor's degree
13-2082	Tax Preparers	19	22	3	15.8%	0	0	0	Moderate-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	79	91	12	15.2%	1	1	2	Short-term on-the-job training
25-9041	Teacher Assistants	1,084	1,122	38	3.5%	4	21	25	Short-term on-the-job training
25-3999	Teachers, Primary, Secondary, and Adult, All Other	392	463	71	18.1%	7	5	12	Bachelor's degree
51-2092	Team Assemblers	503	369	-134	-26.6%	0	13	13	Moderate-term on-the-job training
27-3042	Technical Writers	10	11	1	10.0%	0	0	0	Bachelor's degree
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	81	77	-4	-4.9%	0	2	2	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	56	54	-2	-3.6%	0	2	2	Long-term on-the-job training
41-9041	Telemarketers	182	167	-15	-8.2%	0	3	3	Short-term on-the-job training
43-3071	Tellers	333	342	9	2.7%	1	16	17	Short-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	52	55	3	5.8%	0	1	1	Long-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	57	54	-3	-5.3%	0	1	1	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	15	17	2	13.3%	0	0	0	Long-term on-the-job training
49-3093	Tire Repairers and Changers	60	66	6	10.0%	1	3	4	Short-term on-the-job training
23-2093	Title Examiners, Abstractors, and Searchers	12	10	-2	-16.7%	0	0	0	Moderate-term on-the-job training
51-4111	Tool and Die Makers	14	11	-3	-21.4%	0	0	0	Long-term on-the-job training

Employment and Job Openings for All Occupations in Central Maine in 2002 and Projected 2012
(Sorted Alphabetically)

SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replace-ment	Total	
39-6021	Tour Guides and Escorts	24	34	10	41.7%	1	1	2	Moderate-term on-the-job training
13-1073	Training and Development Specialists	138	166	28	20.3%	3	2	5	Bachelor's degree
11-3071	Transportation, Storage, and Distribution Managers	61	67	6	9.8%	1	1	2	Work experience in a related occupation
41-3041	Travel Agents	18	13	-5	-27.8%	0	0	0	Postsecondary vocational award
37-3013	Tree Trimmers and Pruners	58	59	1	1.7%	0	1	1	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,380	1,471	91	6.6%	9	23	32	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	564	628	64	11.3%	6	5	11	Short-term on-the-job training
27-2023	Umpires, Referees, and Other Sports Officials	13	18	5	38.5%	1	0	1	Long-term on-the-job training
51-6093	Upholsterers	14	14	0	0.0%	0	0	0	Long-term on-the-job training
19-3051	Urban and Regional Planners	29	29	0	0.0%	0	1	1	Master's degree
39-3031	Ushers, Lobby Attendants, and Ticket Takers	27	31	4	14.8%	0	2	2	Short-term on-the-job training
29-1131	Veterinarians	46	54	8	17.4%	1	1	2	First Professional degree
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	44	50	6	13.6%	1	1	2	Short-term on-the-job training
29-2056	Veterinary Technologists and Technicians	45	61	16	35.6%	2	1	3	Associate degree
25-2023	Vocational Education Teachers, Middle School	11	10	-1	-9.1%	0	0	0	Bachelor's degree plus work experience
25-1194	Vocational Education Teachers, Postsecondary	48	24	-24	-50.0%	0	1	1	Work experience in a related occupation
25-2032	Vocational Education Teachers, Secondary School	38	35	-3	-7.9%	0	1	1	Bachelor's degree plus work experience
35-3031	Waiters and Waitresses	960	1,056	96	10.0%	10	49	59	Short-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	171	168	-3	-1.8%	0	6	6	Long-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	28	28	0	0.0%	0	1	1	Short-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	176	167	-9	-5.1%	0	5	5	Long-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	35	30	-5	-14.3%	0	1	1	Moderate-term on-the-job training
13-1022	Wholesale and Retail Buyers, Except Farm Products	117	123	6	5.1%	1	3	4	Work experience in a related occupation
51-7099	Woodworkers, All Other	21	17	-4	-19.0%	0	1	1	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	166	115	-51	-30.7%	0	4	4	Moderate-term on-the-job training
43-9022	Word Processors and Typists	208	125	-83	-39.9%	0	5	5	Moderate-term on-the-job training
27-3043	Writers and Authors	51	56	5	9.8%	1	1	2	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	26	30	4	15.4%	0	1	1	Bachelor's degree

Education and Training Requirement Definitions

Education/Training Requirement	Definition
First Professional degree	Completion of a 6-year academic program
Doctoral degree	Completion of a 3-year academic program beyond a bachelor's degree
Master's degree	Completion of a 1- to 2-year academic program beyond a bachelor's degree
Bachelor's degree plus work experience	Completion of a 4-year academic program or higher degree beyond high school, plus related occupational experience
Bachelor's degree	Completion of a 4-year academic program beyond high school
Associate degree	Completion of a 2-year academic program beyond high school
Post-Secondary vocational award	Completion of a vocational training program
Work experience in a related occupation	Related occupational experience leading to development of specific skills
Long-term on-the-job training	More than 1 year of on-the-job training or a combination of training and classroom instruction
Moderate-term on-the-job training	1 to 12 months of on-the-job training
Short-term on-the-job training	Up to 1 month of on-the-job training

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