

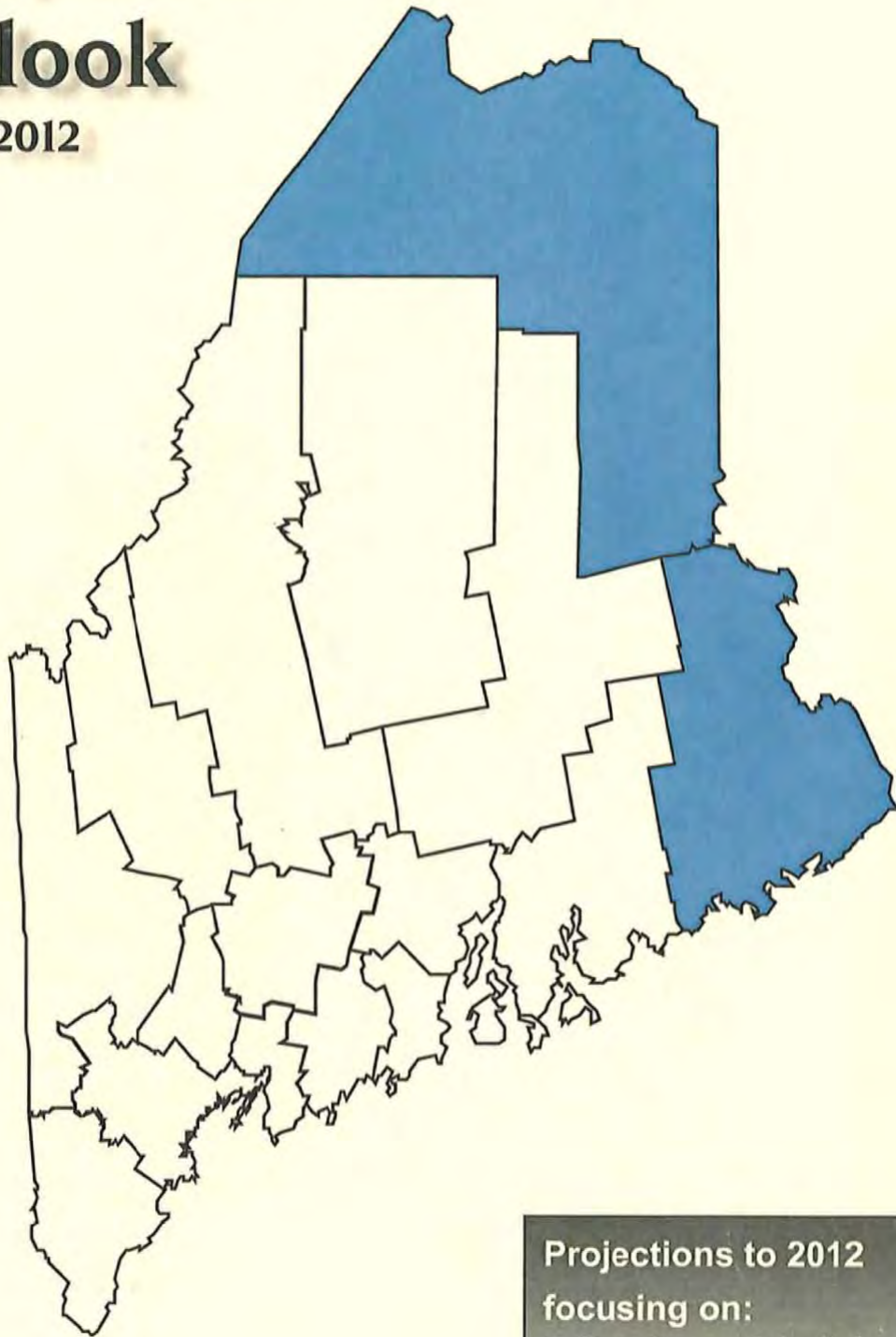
MAINE STATE LEGISLATURE

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Northern Maine Employment Outlook to 2012



Projections to 2012

focusing on:

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

Northern Maine Employment Outlook

2002 to 2012

*Industrial and Occupational Employment Projections
For Washington and Aroostook Counties*

This publication is a product of the Economic and Demographic Research Group
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Issued April 2005

Augusta, Maine

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Preface

Northern 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 Northern Maine, 2002 and Projected 2012

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
Total Employment	46,791	48,433	1,642	3.5%
Self-Employed, Private Household, and Unpaid Family Workers	5,624	5,823	199	3.5%
Wage and Salary Jobs	41,167	42,610	1,443	3.5%
Total Private	32,404	33,810	1,406	4.3%
Goods-Producing Industries	8,416	7,473	-943	-11.2%
Natural Resources and Mining	1,766	1,821	55	3.1%
Agriculture, Forestry, Fishing and Hunting	1,761	1,817	56	3.2%
Crop production	688	744	56	8.1%
Animal production	158	148	-10	-6.3%
Forestry and logging	819	836	17	2.1%
Fishing, hunting and trapping	ND	ND	ND	ND
Agriculture and forestry support activities	78	66	-12	-15.4%
Mining	ND	ND	ND	ND
Mining, except oil and gas	ND	ND	ND	ND
Construction	1,169	1,213	44	3.8%
Construction of buildings	300	279	-21	-7.0%
Heavy and civil engineering construction	181	237	56	30.9%
Specialty trade contractors	688	697	9	1.3%
Manufacturing	5,481	4,439	-1,042	-19.0%
Durable Goods	2,045	1,763	-282	-13.8%
Wood product manufacturing	1,405	1,232	-173	-12.3%
Nonmetallic mineral product manufacturing	47	43	-4	-8.5%
Primary metal manufacturing	ND	ND	ND	ND
Fabricated metal product manufacturing	167	143	-24	-14.4%
Machinery manufacturing	32	29	-3	-9.4%
Computer and electronic product manufacturing	ND	ND	ND	ND
Electrical equipment and appliance mfg.	ND	ND	ND	ND
Transportation equipment manufacturing	62	55	-7	-11.3%
Furniture and related product manufacturing	54	37	-17	-31.5%
Miscellaneous manufacturing	277	223	-54	-19.5%
Nondurable Goods	3,436	2,676	-760	-22.1%
Food manufacturing	1,243	1,076	-167	-13.4%
Beverage and tobacco product manufacturing	18	19	1	5.6%
Textile mills	ND	ND	ND	ND
Textile product mills	ND	ND	ND	ND
Apparel manufacturing	337	237	-100	-29.7%
Leather and allied product manufacturing	ND	ND	ND	ND
Paper manufacturing	1,690	1,180	-510	-30.2%
Printing and related support activities	25	23	-2	-8.0%
Petroleum and coal products manufacturing	90	82	-8	-8.9%
Chemical manufacturing	ND	ND	ND	ND

Employment by Industry in Northern Maine, 2002 and Projected 2012

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
Plastics and rubber products manufacturing	ND	ND	ND	ND
Service-Providing Industries	32,751	35,137	2,386	7.3%
Trade, Transportation, and Utilities	8,143	8,480	337	4.1%
Wholesale Trade	848	853	5	0.6%
Merchant wholesalers, durable goods	302	319	17	5.6%
Merchant wholesalers, nondurable goods	418	387	-31	-7.4%
Electronic markets and agents and brokers	128	147	19	14.8%
Retail Trade	5,780	6,093	313	5.4%
Motor vehicle and parts dealers	617	680	63	10.2%
Furniture and home furnishings stores	91	103	12	13.2%
Electronics and appliance stores	86	97	11	12.8%
Building material and garden supply stores	337	366	29	8.6%
Food and beverage stores	1,437	1,528	91	6.3%
Health and personal care stores	264	260	-4	-1.5%
Gasoline stations	914	953	39	4.3%
Clothing and clothing accessories stores	144	128	-16	-11.1%
Sporting goods, hobby, book and music stores	48	48	0	0.0%
General merchandise stores	1,203	1,252	49	4.1%
Miscellaneous store retailers	198	208	10	5.1%
Nonstore retailers	441	470	29	6.6%
Transportation and Warehousing	1,395	1,417	22	1.6%
Air transportation	ND	ND	ND	ND
Rail transportation	ND	ND	ND	ND
Water transportation	ND	ND	ND	ND
Truck transportation	1,024	1,002	-22	-2.1%
Transit and ground passenger transportation	59	68	9	15.3%
Pipeline transportation	ND	ND	ND	ND
Scenic and sightseeing transportation	ND	ND	ND	ND
Support activities for transportation	201	234	33	16.4%
Couriers and messengers	91	94	3	3.3%
Warehousing and storage	12	12	0	0.0%
Utilities	120	117	-3	-2.5%
Information	1,266	1,351	85	6.7%
Publishing industries, except Internet	265	270	5	1.9%
Motion picture and sound recording industries	248	278	30	12.1%
Broadcasting, except Internet	101	94	-7	-6.9%
Internet publishing and broadcasting	ND	ND	ND	ND
Telecommunications	102	92	-10	-9.8%
ISPs, search portals, and data processing	ND	ND	ND	ND
Other Information Services	529	601	72	13.6%
Financial Activities	1,670	1,654	-16	-1.0%

Employment by Industry in Northern Maine, 2002 and Projected 2012

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
Finance and Insurance	1,316	1,272	-44	-3.3%
Credit intermediation and related activities	988	955	-33	-3.3%
Securities, commodity contracts, investments	ND	ND	ND	ND
Insurance carriers and related activities	324	312	-12	-3.7%
Funds, trusts, and other financial vehicles	ND	ND	ND	ND
Real Estate and Rental and Leasing	354	382	28	7.9%
Real estate	232	247	15	6.5%
Rental and leasing services	122	135	13	10.7%
Professional and Business Services	1,869	1,969	100	5.4%
Professional and technical services	533	573	40	7.5%
Management of companies and enterprises	352	325	-27	-7.7%
Administrative and support services	875	969	94	10.7%
Waste management and remediation services	109	102	-7	-6.4%
Education and Health Services	7,582	9,119	1,537	20.3%
Educational services	142	155	13	9.2%
Health Care and Social Assistance	7,440	8,964	1,524	20.5%
Ambulatory health care services	2,214	2,716	502	22.7%
Hospitals	1,585	1,800	215	13.6%
Nursing and residential care facilities	2,345	2,712	367	15.7%
Social assistance	1,296	1,736	440	34.0%
Leisure and Hospitality	2,788	3,005	217	7.8%
Arts, Entertainment, and Recreation	173	226	53	30.6%
Performing arts and spectator sports	ND	ND	ND	ND
Museums, historical sites, zoos, and parks	ND	ND	ND	ND
Amusements, gambling, and recreation	160	212	52	32.5%
Accommodation and Food Services	2,615	2,779	164	6.3%
Accommodation	488	398	-90	-18.4%
Food services and drinking places	2,127	2,381	254	11.9%
Other Services	670	759	89	13.3%
Repair and maintenance	364	402	38	10.4%
Personal and laundry services	145	194	49	33.8%
Membership associations and organizations	109	115	6	5.5%
Private households	52	48	-4	-7.7%
Government	8,763	8,800	37	0.4%
Federal	1,063	1,043	-20	-1.9%
State	1,583	1,556	-27	-1.7%
Local	6,117	6,201	84	1.4%

ND: Not Discloseable.

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

Industries Expected to Gain Jobs		Industries Expected to Lose Jobs	
Ambulatory health care services	502	Paper manufacturing	-510
Social assistance	440	Wood product manufacturing	-173
Nursing and residential care facilities	367	Food manufacturing	-167
Food services and drinking places	254	Apparel manufacturing	-100
Hospitals	215	Accommodation	-90
Administrative and support services	94	Miscellaneous manufacturing	-54
Food and beverage stores	91	Credit intermediation and related activities	-33
Local Government	84	Merchant wholesalers, nondurable goods	-31
Other Information Services	72	Management of companies and enterprises	-27
Motor vehicle and parts dealers	63	State Government	-27
Crop production	56	Fabricated metal product manufacturing	-24
Heavy and civil engineering construction	56	Truck transportation	-22
Amusements, gambling, and recreation	52	Construction of buildings	-21
General merchandise stores	49	Federal Government	-20
Personal and laundry services	49	Furniture and related product manufacturing	-17
Professional and technical services	40	Clothing and clothing accessories stores	-16
Gasoline stations	39	Agriculture and forestry support activities	-12
Repair and maintenance	38	Insurance carriers and related activities	-12
Support activities for transportation	33	Animal production	-10
Motion picture and sound recording industries	30	Telecommunications	-10
Building material and garden supply stores	29	Petroleum and coal products manufacturing	-8
Nonstore retailers	29	Broadcasting, except Internet	-7
Electronic markets and agents and brokers	19	Transportation equipment manufacturing	-7
Forestry and logging	17	Waste management and remediation services	-7
Merchant wholesalers, durable goods	17	Health and personal care stores	-4
Real estate	15	Nonmetallic mineral product manufacturing	-4
Educational services	13	Private households	-4
Rental and leasing services	13	Machinery manufacturing	-3
Furniture and home furnishings stores	12	Printing and related support activities	-2
Electronics and appliance stores	11		
Miscellaneous store retailers	10		
Specialty trade contractors	9		
Transit and ground passenger transportation	9		
Membership associations and organizations	6		
Publishing industries, except Internet	5		
Couriers and messengers	3		
Beverage and tobacco product manufacturing	1		

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

Industries Expected to Gain Jobs		Industries Expected to Lose Jobs	
Social assistance	34.0%	Furniture and related product manufacturing	-31.5%
Personal and laundry services	33.8%	Paper manufacturing	-30.2%
Amusements, gambling, and recreation	32.5%	Apparel manufacturing	-29.7%
Heavy and civil engineering construction	30.9%	Miscellaneous manufacturing	-19.5%
Ambulatory health care services	22.7%	Accommodation	-18.4%
Support activities for transportation	16.4%	Agriculture and forestry support activities	-15.4%
Nursing and residential care facilities	15.7%	Fabricated metal product manufacturing	-14.4%
Transit and ground passenger transportation	15.3%	Food manufacturing	-13.4%
Electronic markets and agents and brokers	14.8%	Wood product manufacturing	-12.3%
Other Information Services	13.6%	Transportation equipment manufacturing	-11.3%
Hospitals	13.6%	Clothing and clothing accessories stores	-11.1%
Furniture and home furnishings stores	13.2%	Telecommunications	-9.8%
Electronics and appliance stores	12.8%	Machinery manufacturing	-9.4%
Motion picture and sound recording industries	12.1%	Petroleum and coal products manufacturing	-8.9%
Food services and drinking places	11.9%	Nonmetallic mineral product manufacturing	-8.5%
Administrative and support services	10.7%	Printing and related support activities	-8.0%
Rental and leasing services	10.7%	Private households	-7.7%
Repair and maintenance	10.4%	Management of companies and enterprises	-7.7%
Motor vehicle and parts dealers	10.2%	Merchant wholesalers, nondurable goods	-7.4%
Educational services	9.2%	Construction of buildings	-7.0%
Building material and garden supply stores	8.6%	Broadcasting, except Internet	-6.9%
Crop production	8.1%	Waste management and remediation services	-6.4%
Professional and technical services	7.5%	Animal production	-6.3%
Nonstore retailers	6.6%	Insurance carriers and related activities	-3.7%
Real estate	6.5%	Credit intermediation and related activities	-3.3%
Food and beverage stores	6.3%	Truck transportation	-2.1%
Merchant wholesalers, durable goods	5.6%	Federal Government	-1.9%
Beverage and tobacco product manufacturing	5.6%	State Government	-1.7%
Membership associations and organizations	5.5%	Health and personal care stores	-1.5%
Miscellaneous store retailers	5.1%		
Gasoline stations	4.3%		
General merchandise stores	4.1%		
Couriers and messengers	3.3%		
Forestry and logging	2.1%		
Publishing industries, except Internet	1.9%		
Local Government	1.4%		
Specialty trade contractors	1.3%		

**Occupational Employment
2002 and Projected 2012**

Employment by Occupational Group in Northern 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>	46,791	48,433	1,642	3.5%	334	1,087	1,421
Management, Business and Financial Occupations	5,125	5,331	206	4.0%	28	80	108
Management Occupations	3,835	3,964	129	3.4%	19	55	74
Business and Financial Operations Occupations	1,290	1,367	77	6.0%	9	25	34
Professional and Related Occupations	9,087	10,179	1,092	12.0%	125	181	306
Computer and Mathematical Occupations	321	457	136	42.4%	14	4	18
Architecture and Engineering Occupations	251	229	-22	-8.8%	1	6	7
Life, Physical, and Social Science Occupations	289	333	44	15.2%	5	7	12
Community and Social Services Occupations	1,210	1,511	301	24.9%	31	23	54
Legal Occupations	176	181	5	2.8%	1	2	3
Education, Training, and Library Occupations	3,574	3,675	101	2.8%	19	78	97
Arts, Design, Entertainment, Sports, and Media Occupations	515	571	56	10.9%	7	9	16
Healthcare Practitioners and Technical Occupations	2,751	3,222	471	17.1%	47	52	99
Service Occupations	9,063	10,117	1,054	11.6%	112	246	358
Healthcare Support Occupations	1,917	2,284	367	19.1%	37	28	65
Protective Service Occupations	826	941	115	13.9%	13	23	36
Food Preparation and Serving Related Occupations	3,374	3,557	183	5.4%	22	132	154
Building and Grounds Cleaning and Maintenance Occupations	1,683	1,759	76	4.5%	9	34	43
Personal Care and Service Occupations	1,263	1,576	313	24.8%	31	29	60
Sales and Related Occupations	4,311	4,509	198	4.6%	24	146	170
Office and Administrative Support Occupations	6,319	6,068	-251	-4.0%	17	149	166
Farming, Fishing, and Forestry Occupations	1,867	1,932	65	3.5%	12	44	56
Construction and Extraction Occupations	1,658	1,611	-47	-2.8%	1	31	32
Installation, Maintenance, and Repair Occupations	2,013	2,024	11	0.5%	9	46	55
Production Occupations	3,597	3,019	-578	-16.1%	1	86	87
Transportation and Material Moving Occupations	3,751	3,643	-108	-2.9%	7	80	87

Details may not add to totals due to rounding.

Employment by Education/Training Requirement in Northern 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>	46,791	48,433	100.0%	100.0%	1,642	3.5%	334	1,087	1,421
First Professional degree	683	758	1.5%	1.6%	75	11.0%	7	11	18
Doctoral degree	227	276	0.5%	0.6%	49	21.6%	3	4	7
Master's degree	970	1,138	2.1%	2.3%	168	17.3%	17	20	37
Bachelor's degree plus work experience	2,021	2,169	4.3%	4.5%	148	7.3%	17	36	53
Bachelor's degree	4,538	4,803	9.7%	9.9%	265	5.8%	37	88	125
Associate degree	1,799	2,150	3.8%	4.4%	351	19.5%	35	32	67
Postsecondary vocational award	1,772	1,888	3.8%	3.9%	116	6.5%	14	36	50
Work experience in a related occupation	3,168	3,292	6.8%	6.8%	124	3.9%	16	71	87
Long-term on-the-job training	4,116	4,124	8.8%	8.5%	8	0.2%	18	71	89
Moderate-term on-the-job training	10,103	9,830	21.6%	20.3%	-273	-2.7%	46	206	252
Short-term on-the-job training	17,394	18,005	37.2%	37.2%	611	3.5%	112	506	618

Details may not add to totals due to rounding.

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

SOC Code	Occupation	Average Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Growth	Replacement	Total	
41-2011	Cashiers	1,402	1,504	10	68	78	Short-term on-the-job training
29-1111	Registered Nurses	1,121	1,312	19	24	43	Associate degree
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	734	827	9	32	41	Short-term on-the-job training
41-2031	Retail Salespersons	1,034	1,037	0	38	38	Short-term on-the-job training
35-3031	Waiters and Waitresses	524	560	4	27	31	Short-term on-the-job training
39-9021	Personal and Home Care Aides	421	616	20	7	27	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,322	1,358	4	22	26	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	558	630	7	16	23	Short-term on-the-job training
35-2021	Food Preparation Workers	490	534	4	17	21	Short-term on-the-job training
31-1011	Home Health Aides	488	628	14	6	20	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,011	1,085	7	13	20	Short-term on-the-job training
11-1021	General and Operations Managers	720	770	5	14	19	Bachelor's degree plus work experience
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	570	483	0	19	19	Short-term on-the-job training
43-9061	Office Clerks, General	810	802	0	18	18	Short-term on-the-job training
21-1093	Social and Human Service Assistants	263	393	13	5	18	Moderate-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	595	646	5	11	16	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	746	766	2	14	16	Short-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	562	544	0	16	16	Bachelor's degree
43-5081	Stock Clerks and Order Fillers	431	371	0	16	16	Short-term on-the-job training
39-9011	Child Care Workers	350	385	4	10	14	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	477	519	4	10	14	Short-term on-the-job training
25-9041	Teacher Assistants	695	701	1	13	14	Short-term on-the-job training
25-2021	Elementary School Teachers, Except Special Education	585	551	0	13	13	Bachelor's degree
43-6014	Secretaries, Except Legal, Medical, and Executive	654	573	0	13	13	Moderate-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	148	164	2	10	12	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	211	268	6	6	12	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	343	366	2	9	11	Postsecondary vocational award
43-3031	Bookkeeping, Accounting, and Auditing Clerks	609	566	0	11	11	Moderate-term on-the-job training
43-3071	Tellers	226	229	0	11	11	Short-term on-the-job training
31-9092	Medical Assistants	137	210	7	3	10	Moderate-term on-the-job training
43-4171	Receptionists and Information Clerks	234	275	4	6	10	Short-term on-the-job training
43-4051	Customer Service Representatives	348	386	4	5	9	Moderate-term on-the-job training
33-2011	Fire Fighters	176	212	4	5	9	Long-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	394	391	0	9	9	Work experience in a related occupation
45-4022	Logging Equipment Operators	483	459	0	9	9	Moderate-term on-the-job training
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	242	265	2	6	8	Long-term on-the-job training
11-9012	Farmers and Ranchers	1,284	1,249	0	8	8	Long-term on-the-job training
51-9198	Helpers--Production Workers	280	235	0	8	8	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	260	277	2	6	8	Short-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	266	280	1	7	8	Moderate-term on-the-job training

Occupations with the Largest Projected Net Job Growth in Northern Maine Between 2002 and 2012					
SOC Code	Occupation	Average Employment		Net Growth	Education/Training Requirement
		2002	2012		
39-9021	Personal and Home Care Aides	421	616	195	Short-term on-the-job training
29-1111	Registered Nurses	1,121	1,312	191	Associate degree
31-1011	Home Health Aides	488	628	140	Short-term on-the-job training
21-1093	Social and Human Service Assistants	263	393	130	Moderate-term on-the-job training
41-2011	Cashiers	1,402	1,504	102	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	734	827	93	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,011	1,085	74	Short-term on-the-job training
31-9092	Medical Assistants	137	210	73	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	558	630	72	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	211	268	57	Long-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	595	646	51	Work experience in a related occupation
11-1021	General and Operations Managers	720	770	50	Bachelor's degree plus work experience
15-1041	Computer Support Specialists	116	165	49	Associate degree
35-2021	Food Preparation Workers	490	534	44	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	477	519	42	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	234	275	41	Short-term on-the-job training
43-4051	Customer Service Representatives	348	386	38	Moderate-term on-the-job training
33-2011	Fire Fighters	176	212	36	Long-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,322	1,358	36	Moderate-term on-the-job training
35-3031	Waiters and Waitresses	524	560	36	Short-term on-the-job training
39-9011	Child Care Workers	350	385	35	Short-term on-the-job training
21-1023	Mental Health and Substance Abuse Social Workers	100	135	35	Master's degree
21-1021	Child, Family, and School Social Workers	160	192	32	Bachelor's degree
29-2071	Medical Records and Health Information Technicians	74	106	32	Associate degree
15-1051	Computer Systems Analysts	70	100	30	Bachelor's degree
21-1015	Rehabilitation Counselors	108	135	27	Master's degree
11-9111	Medical and Health Services Managers	112	138	26	Bachelor's degree plus work experience
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	140	165	25	Long-term on-the-job training
29-1123	Physical Therapists	106	130	24	Master's degree
49-3023	Automotive Service Technicians and Mechanics	343	366	23	Postsecondary vocational award
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	242	265	23	Long-term on-the-job training
11-9011	Farm, Ranch, and Other Agricultural Managers	173	196	23	Bachelor's degree plus work experience
15-1031	Computer Software Engineers, Applications	35	57	22	Bachelor's degree
45-4011	Forest and Conservation Workers	26	48	22	Moderate-term on-the-job training
19-3031	Clinical, Counseling, and School Psychologists	78	99	21	Doctoral degree
25-4031	Library Technicians	144	165	21	Short-term on-the-job training
29-1071	Physician Assistants	48	69	21	Bachelor's degree
11-9151	Social and Community Service Managers	81	102	21	Bachelor's degree
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	746	766	20	Short-term on-the-job training
43-4121	Library Assistants, Clerical	72	92	20	Short-term on-the-job training
21-1022	Medical and Public Health Social Workers	66	86	20	Bachelor's degree

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

SOC Code	Occupation	Average Employment		Growth Rate	Education/Training Requirement
		2002	2012		
31-9092	Medical Assistants	137	210	53.3%	Moderate-term on-the-job training
21-1093	Social and Human Service Assistants	263	393	49.4%	Moderate-term on-the-job training
39-9021	Personal and Home Care Aides	421	616	46.3%	Short-term on-the-job training
29-2071	Medical Records and Health Information Technicians	74	106	43.2%	Associate degree
15-1051	Computer Systems Analysts	70	100	42.9%	Bachelor's degree
15-1041	Computer Support Specialists	116	165	42.2%	Associate degree
21-1023	Mental Health and Substance Abuse Social Workers	100	135	35.0%	Master's degree
39-1021	First-Line Supervisors/Managers of Personal Service Workers	56	75	33.9%	Work experience in a related occupation
21-1022	Medical and Public Health Social Workers	66	86	30.3%	Bachelor's degree
11-3021	Computer and Information Systems Managers	55	71	29.1%	Bachelor's degree plus work experience
31-1011	Home Health Aides	488	628	28.7%	Short-term on-the-job training
43-4121	Library Assistants, Clerical	72	92	27.8%	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	211	268	27.0%	Long-term on-the-job training
19-3031	Clinical, Counseling, and School Psychologists	78	99	26.9%	Doctoral degree
11-9151	Social and Community Service Managers	81	102	25.9%	Bachelor's degree
29-1051	Pharmacists	68	85	25.0%	First Professional degree
21-1015	Rehabilitation Counselors	108	135	25.0%	Master's degree
29-2052	Pharmacy Technicians	77	95	23.4%	Moderate-term on-the-job training
11-9111	Medical and Health Services Managers	112	138	23.2%	Bachelor's degree plus work experience
29-1123	Physical Therapists	106	130	22.6%	Master's degree
29-2021	Dental Hygienists	52	63	21.2%	Associate degree
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	78	94	20.5%	Moderate-term on-the-job training
33-2011	Fire Fighters	176	212	20.5%	Long-term on-the-job training
21-1021	Child, Family, and School Social Workers	160	192	20.0%	Bachelor's degree
31-9094	Medical Transcriptionists	56	67	19.6%	Postsecondary vocational award
11-2022	Sales Managers	52	62	19.2%	Bachelor's degree plus work experience
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	140	165	17.9%	Long-term on-the-job training
21-1014	Mental Health Counselors	91	107	17.6%	Master's degree
43-4171	Receptionists and Information Clerks	234	275	17.5%	Short-term on-the-job training
29-1111	Registered Nurses	1,121	1,312	17.0%	Associate degree
53-3041	Taxi Drivers and Chauffeurs	53	62	17.0%	Short-term on-the-job training
29-1127	Speech-Language Pathologists	67	78	16.4%	Master's degree
39-9032	Recreation Workers	82	95	15.9%	Bachelor's degree
29-1062	Family and General Practitioners	61	70	14.8%	First Professional degree
25-4021	Librarians	102	117	14.7%	Master's degree
25-4031	Library Technicians	144	165	14.6%	Short-term on-the-job training
29-2034	Radiologic Technologists and Technicians	62	71	14.5%	Associate degree
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	85	97	14.1%	Work experience in a related occupation
13-1073	Training and Development Specialists	59	67	13.6%	Bachelor's degree
11-9011	Farm, Ranch, and Other Agricultural Managers	173	196	13.3%	Bachelor's degree plus work experience

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

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

SOC Code	Occupation	Average Employment		Net Decline	Education/Training Requirement
		2002	2012		
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	570	483	-87	Short-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	654	573	-81	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	431	371	-60	Short-term on-the-job training
43-9022	Word Processors and Typists	117	62	-55	Moderate-term on-the-job training
51-6031	Sewing Machine Operators	212	164	-48	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	280	235	-45	Short-term on-the-job training
51-2092	Team Assemblers	272	227	-45	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	609	566	-43	Moderate-term on-the-job training
25-2022	Middle School Teachers, Except Special and Vocational Education	332	296	-36	Bachelor's degree
11-9012	Farmers and Ranchers	1,284	1,249	-35	Long-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	135	100	-35	Moderate-term on-the-job training
25-2021	Elementary School Teachers, Except Special Education	585	551	-34	Bachelor's degree
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	165	131	-34	Moderate-term on-the-job training
41-9041	Telemarketers	250	219	-31	Short-term on-the-job training
49-9044	Millwrights	107	77	-30	Long-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	133	103	-30	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	229	202	-27	Short-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	239	213	-26	Work experience in a related occupation
43-5052	Postal Service Mail Carriers	146	121	-25	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	81	57	-24	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	483	459	-24	Moderate-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	207	184	-23	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	287	268	-19	Short-term on-the-job training
43-9021	Data Entry Keyers	78	60	-18	Moderate-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	562	544	-18	Bachelor's degree
45-4021	Fallers	315	298	-17	Moderate-term on-the-job training
53-7063	Machine Feeders and Offbearers	115	98	-17	Short-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	187	170	-17	Short-term on-the-job training
13-2011	Accountants and Auditors	328	313	-15	Bachelor's degree
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	59	44	-15	Short-term on-the-job training
33-9032	Security Guards	128	114	-14	Short-term on-the-job training
43-4151	Order Clerks	43	30	-13	Short-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	68	55	-13	Long-term on-the-job training
47-2111	Electricians	171	159	-12	Long-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	125	113	-12	Moderate-term on-the-job training
43-4131	Loan Interviewers and Clerks	46	34	-12	Short-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	92	80	-12	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	108	96	-12	Long-term on-the-job training
53-3022	Bus Drivers, School	135	124	-11	Short-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	62	51	-11	Moderate-term on-the-job training

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

SOC Code	Occupation	Average Employment		Rate of Decline	Education/Training Requirement
		2002	2012		
43-9022	Word Processors and Typists	117	62	-47.0%	Moderate-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	81	57	-29.6%	Moderate-term on-the-job training
49-9044	Millwrights	107	77	-28.0%	Long-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	135	100	-25.9%	Moderate-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	59	44	-25.4%	Short-term on-the-job training
43-9021	Data Entry Keyers	78	60	-23.1%	Moderate-term on-the-job training
51-6031	Sewing Machine Operators	212	164	-22.6%	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	133	103	-22.6%	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	165	131	-20.6%	Moderate-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	68	55	-19.1%	Long-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	62	51	-17.7%	Moderate-term on-the-job training
43-5052	Postal Service Mail Carriers	146	121	-17.1%	Short-term on-the-job training
43-5051	Postal Service Clerks	59	49	-16.9%	Short-term on-the-job training
51-2092	Team Assemblers	272	227	-16.5%	Moderate-term on-the-job training
11-9131	Postmasters and Mail Superintendents	62	52	-16.1%	Work experience in a related occupation
51-9198	Helpers--Production Workers	280	235	-16.1%	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	570	483	-15.3%	Short-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	54	46	-14.8%	Long-term on-the-job training
53-7063	Machine Feeders and Offbearers	115	98	-14.8%	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	431	371	-13.9%	Short-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	92	80	-13.0%	Short-term on-the-job training
41-9041	Telemarketers	250	219	-12.4%	Short-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	654	573	-12.4%	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	229	202	-11.8%	Short-term on-the-job training
51-4041	Machinists	78	69	-11.5%	Long-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	108	96	-11.1%	Long-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	207	184	-11.1%	Moderate-term on-the-job training
33-9032	Security Guards	128	114	-10.9%	Short-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	239	213	-10.9%	Work experience in a related occupation
25-2022	Middle School Teachers, Except Special and Vocational Education	332	296	-10.8%	Bachelor's degree
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	72	65	-9.7%	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	125	113	-9.6%	Moderate-term on-the-job training
51-3021	Butchers and Meat Cutters	53	48	-9.4%	Long-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	187	170	-9.1%	Short-term on-the-job training
11-3051	Industrial Production Managers	57	52	-8.8%	Bachelor's degree
21-1012	Educational, Vocational, and School Counselors	93	85	-8.6%	Master's degree
49-9041	Industrial Machinery Mechanics	82	75	-8.5%	Long-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	60	55	-8.3%	Moderate-term on-the-job training
43-2011	Switchboard Operators, Including Answering Service	60	55	-8.3%	Short-term on-the-job training
53-3022	Bus Drivers, School	135	124	-8.1%	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 Northern 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	46,791	48,433	1,642	3.5%	334	1,087	1,421	NA
11-0000	Management Occupations	3,835	3,964	129	3.4%	19	55	74	NA
11-1011	Chief Executives	146	150	4	2.7%	0	3	3	Bachelor's degree plus work experience
11-1021	General and Operations Managers	720	770	50	6.9%	5	14	19	Bachelor's degree plus work experience
11-1031	Legislators	37	38	1	2.7%	0	1	1	Bachelor's degree plus work experience
11-2011	Advertising and Promotions Managers	19	24	5	26.3%	1	0	1	Bachelor's degree plus work experience
11-2021	Marketing Managers	40	38	-2	-5.0%	0	1	1	Bachelor's degree plus work experience
11-2022	Sales Managers	52	62	10	19.2%	1	1	2	Bachelor's degree plus work experience
11-3011	Administrative Services Managers	60	61	1	1.7%	0	1	1	Bachelor's degree plus work experience
11-3021	Computer and Information Systems Managers	55	71	16	29.1%	2	1	3	Bachelor's degree plus work experience
11-3031	Financial Managers	168	177	9	5.4%	1	2	3	Bachelor's degree plus work experience
11-3040	Human Resources Managers	51	49	-2	-3.9%	0	1	1	Bachelor's degree plus work experience
11-3051	Industrial Production Managers	57	52	-5	-8.8%	0	1	1	Bachelor's degree
11-3061	Purchasing Managers	19	17	-2	-10.5%	0	0	0	Bachelor's degree plus work experience
11-3071	Transportation, Storage, and Distribution Managers	31	33	2	6.5%	0	1	1	Work experience in a related occupation
11-9011	Farm, Ranch, and Other Agricultural Managers	173	196	23	13.3%	2	3	5	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	1,284	1,249	-35	-2.7%	0	8	8	Long-term on-the-job training
11-9021	Construction Managers	80	81	1	1.3%	0	1	1	Bachelor's degree
11-9032	Education Administrators, Elementary and Secondary School	122	120	-2	-1.6%	0	3	3	Bachelor's degree plus work experience
11-9033	Education Administrators, Postsecondary	31	33	2	6.5%	0	1	1	Bachelor's degree plus work experience
11-9041	Engineering Managers	21	17	-4	-19.0%	0	0	0	Bachelor's degree plus work experience
11-9051	Food Service Managers	123	128	5	4.1%	1	2	3	Work experience in a related occupation
11-9061	Funeral Directors	20	22	2	10.0%	0	1	1	Associate degree
11-9081	Lodging Managers	30	29	-1	-3.3%	0	1	1	Work experience in a related occupation
11-9111	Medical and Health Services Managers	112	138	26	23.2%	3	2	5	Bachelor's degree plus work experience
11-9121	Natural Sciences Managers	19	19	0	0.0%	0	0	0	Bachelor's degree plus work experience
11-9131	Postmasters and Mail Superintendents	62	52	-10	-16.1%	0	1	1	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	42	44	2	4.8%	0	1	1	Bachelor's degree
11-9151	Social and Community Service Managers	81	102	21	25.9%	2	2	4	Bachelor's degree
11-9199	Managers, All Other	158	167	9	5.7%	1	3	4	Work experience in a related occupation
13-0000	Business and Financial Operations Occupations	1,290	1,367	77	6.0%	9	25	34	NA

Employment and Job Openings for All Occupations in Northern 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	
13-1022	Wholesale and Retail Buyers, Except Farm Products	45	45	0	0.0%	0	1	1	Work experience in a related occupation
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	37	36	-1	-2.7%	0	1	1	Work experience in a related occupation
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	242	265	23	9.5%	2	6	8	Long-term on-the-job training
13-1051	Cost Estimators	23	24	1	4.3%	0	1	1	Work experience in a related occupation
13-1071	Employment, Recruitment, and Placement Specialists	27	27	0	0.0%	0	0	0	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	23	24	1	4.3%	0	0	0	Bachelor's degree
13-1073	Training and Development Specialists	59	67	8	13.6%	1	1	2	Bachelor's degree
13-1111	Management Analysts	56	61	5	8.9%	1	1	2	Bachelor's degree plus work experience
13-1199	Business Operations Specialists, All Other	156	194	38	24.4%	4	3	7	Bachelor's degree
13-2011	Accountants and Auditors	328	313	-15	-4.6%	0	6	6	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	30	32	2	6.7%	0	1	1	Postsecondary vocational award
13-2051	Financial Analysts	12	14	2	16.7%	0	0	0	Bachelor's degree
13-2053	Insurance Underwriters	11	11	0	0.0%	0	0	0	Bachelor's degree
13-2072	Loan Officers	85	88	3	3.5%	0	1	1	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	25	26	1	4.0%	0	1	1	Bachelor's degree
13-2082	Tax Preparers	12	12	0	0.0%	0	0	0	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	27	29	2	7.4%	0	1	1	Bachelor's degree
15-0000	Computer and Mathematical Occupations	321	457	136	42.4%	14	4	18	NA
15-1021	Computer Programmers	26	32	6	23.1%	1	1	2	Bachelor's degree
15-1031	Computer Software Engineers, Applications	35	57	22	62.9%	2	0	2	Bachelor's degree
15-1041	Computer Support Specialists	116	165	49	42.2%	5	1	6	Associate degree
15-1051	Computer Systems Analysts	70	100	30	42.9%	3	1	4	Bachelor's degree
15-1071	Network and Computer Systems Administrators	36	46	10	27.8%	1	0	1	Bachelor's degree
15-1099	Computer Specialists, All Other	14	23	9	64.3%	1	0	1	Associate degree
17-0000	Architecture and Engineering Occupations	251	229	-22	-8.8%	1	6	7	NA
17-2041	Chemical Engineers	12	9	-3	-25.0%	0	0	0	Bachelor's degree
17-2051	Civil Engineers	30	28	-2	-6.7%	0	1	1	Bachelor's degree
17-2071	Electrical Engineers	10	6	-4	-40.0%	0	0	0	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	15	15	0	0.0%	0	0	0	Bachelor's degree
17-2112	Industrial Engineers	26	23	-3	-11.5%	0	1	1	Bachelor's degree
17-2141	Mechanical Engineers	18	15	-3	-16.7%	0	1	1	Bachelor's degree

Employment and Job Openings for All Occupations in Northern 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	
17-2199	Engineers, All Other	10	9	-1	-10.0%	0	0	0	Bachelor's degree
17-3011	Architectural and Civil Drafters	12	12	0	0.0%	0	0	0	Postsecondary vocational award
17-3013	Mechanical Drafters	12	9	-3	-25.0%	0	0	0	Postsecondary vocational award
17-3022	Civil Engineering Technicians	25	23	-2	-8.0%	0	1	1	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	14	16	2	14.3%	0	0	0	Associate degree
17-3026	Industrial Engineering Technicians	12	8	-4	-33.3%	0	0	0	Associate degree
19-0000	Life, Physical, and Social Science Occupations	289	333	44	15.2%	5	7	12	NA
19-1023	Zoologists and Wildlife Biologists	10	10	0	0.0%	0	0	0	Bachelor's degree
19-1031	Conservation Scientists	14	18	4	28.6%	0	0	0	Bachelor's degree
19-1032	Foresters	24	28	4	16.7%	0	1	1	Bachelor's degree
19-2021	Atmospheric and Space Scientists	11	12	1	9.1%	0	0	0	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	28	29	1	3.6%	0	1	1	Master's degree
19-3031	Clinical, Counseling, and School Psychologists	78	99	21	26.9%	2	2	4	Doctoral degree
19-4021	Biological Technicians	25	30	5	20.0%	1	0	1	Associate degree
19-4093	Forest and Conservation Technicians	11	12	1	9.1%	0	0	0	Associate degree
19-4099	Life, Physical, and Social Science Technicians, All Other	10	10	0	0.0%	0	0	0	Associate degree
21-0000	Community and Social Services Occupations	1,210	1,511	301	24.9%	31	23	54	NA
21-1011	Substance Abuse and Behavioral Disorder Counselors	45	51	6	13.3%	1	1	2	Master's degree
21-1012	Educational, Vocational, and School Counselors	93	85	-8	-8.6%	0	2	2	Master's degree
21-1014	Mental Health Counselors	91	107	16	17.6%	2	2	4	Master's degree
21-1015	Rehabilitation Counselors	108	135	27	25.0%	3	3	6	Master's degree
21-1021	Child, Family, and School Social Workers	160	192	32	20.0%	3	3	6	Bachelor's degree
21-1022	Medical and Public Health Social Workers	66	86	20	30.3%	2	1	3	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	100	135	35	35.0%	4	2	6	Master's degree
21-1091	Health Educators	25	30	5	20.0%	1	0	1	Master's degree
21-1092	Probation Officers and Correctional Treatment Specialists	27	27	0	0.0%	0	1	1	Bachelor's degree
21-1093	Social and Human Service Assistants	263	393	130	49.4%	13	5	18	Moderate-term on-the-job training
21-2011	Clergy	153	167	14	9.2%	1	3	4	First Professional degree
21-2021	Directors, Religious Activities and Education	16	19	3	18.8%	0	0	0	Bachelor's degree
21-9099	Counselors, Social, and Religious Workers, All Other	58	77	19	32.8%	2	1	3	Bachelor's degree
23-0000	Legal Occupations	176	181	5	2.8%	1	2	3	NA

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		2002	2012	Net	Percent	Growth	Replacement	Total	
23-1011	Lawyers	105	109	4	3.8%	0	1	1	First Professional degree
23-2011	Paralegals and Legal Assistants	32	33	1	3.1%	0	0	0	Associate degree
23-2091	Court Reporters	14	16	2	14.3%	0	0	0	Postsecondary vocational award
25-0000	Education, Training, and Library Occupations	3,574	3,675	101	2.8%	19	78	97	NA
25-1011	Business Teachers, Postsecondary	33	38	5	15.2%	1	1	2	Master's degree
25-1021	Computer Science Teachers, Postsecondary	20	24	4	20.0%	0	1	1	Master's degree
25-1022	Mathematical Science Teachers, Postsecondary	18	19	1	5.6%	0	0	0	Master's degree
25-1071	Health Specialties Teachers, Postsecondary	28	32	4	14.3%	0	1	1	Master's degree
25-1072	Nursing Instructors and Teachers, Postsecondary	10	12	2	20.0%	0	0	0	Doctoral degree
25-1081	Education Teachers, Postsecondary	20	24	4	20.0%	0	1	1	Doctoral degree
25-1123	English Language and Literature Teachers, Postsecondary	25	29	4	16.0%	0	1	1	Master's degree
25-1191	Graduate Teaching Assistants	40	46	6	15.0%	1	1	2	Bachelor's degree
25-1194	Vocational Education Teachers, Postsecondary	36	43	7	19.4%	1	1	2	Work experience in a related occupation
25-1199	Postsecondary Teachers, All Other	42	49	7	16.7%	1	1	2	Doctoral degree
25-2011	Preschool Teachers, Except Special Education	93	101	8	8.6%	1	1	2	Postsecondary vocational award
25-2012	Kindergarten Teachers, Except Special Education	107	112	5	4.7%	1	1	2	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	585	551	-34	-5.8%	0	13	13	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	332	296	-36	-10.8%	0	7	7	Bachelor's degree
25-2031	Secondary School Teachers, Except Special and Vocational Education	562	544	-18	-3.2%	0	16	16	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	24	22	-2	-8.3%	0	1	1	Bachelor's degree plus work experience
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	126	134	8	6.3%	1	3	4	Bachelor's degree
25-2042	Special Education Teachers, Middle School	50	54	4	8.0%	0	1	1	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	64	68	4	6.3%	0	2	2	Bachelor's degree
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	12	12	0	0.0%	0	0	0	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	28	41	13	46.4%	1	0	1	Work experience in a related occupation
25-3999	Teachers, Primary, Secondary, and Adult, All Other	244	280	36	14.8%	4	3	7	Bachelor's degree
25-4021	Librarians	102	117	15	14.7%	2	2	4	Master's degree
25-4031	Library Technicians	144	165	21	14.6%	2	5	7	Short-term on-the-job training
25-9031	Instructional Coordinators	18	22	4	22.2%	0	0	0	Master's degree
25-9041	Teacher Assistants	695	701	6	0.9%	1	13	14	Short-term on-the-job training
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	515	571	56	10.9%	7	9	16	NA

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27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	12	12	0	0.0%	0	0	0	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	10	12	2	20.0%	0	0	0	Bachelor's degree
27-1023	Floral Designers	40	43	3	7.5%	0	1	1	Moderate-term on-the-job training
27-1024	Graphic Designers	39	43	4	10.3%	0	1	1	Bachelor's degree
27-1026	Merchandise Displayers and Window Trimmers	33	43	10	30.3%	1	0	1	Moderate-term on-the-job training
27-1099	Art and Design Workers, All Other	23	21	-2	-8.7%	0	0	0	Bachelor's degree
27-2012	Producers and Directors	20	25	5	25.0%	1	0	1	Bachelor's degree plus work experience
27-2022	Coaches and Scouts	71	74	3	4.2%	0	1	1	Long-term on-the-job training
27-2041	Music Directors and Composers	16	17	1	6.3%	0	0	0	Bachelor's degree plus work experience
27-2042	Musicians and Singers	34	39	5	14.7%	1	1	2	Long-term on-the-job training
27-3010	Announcers	23	18	-5	-21.7%	0	1	1	Long-term on-the-job training
27-3020	News Analysts, Reporters and Correspondents	18	20	2	11.1%	0	0	0	Bachelor's degree plus work experience
27-3031	Public Relations Specialists	15	16	1	6.7%	0	0	0	Bachelor's degree
27-3041	Editors	38	46	8	21.1%	1	1	2	Bachelor's degree
27-3043	Writers and Authors	19	22	3	15.8%	0	0	0	Bachelor's degree
27-3091	Interpreters and Translators	14	17	3	21.4%	0	0	0	Long-term on-the-job training
27-4012	Broadcast Technicians	10	10	0	0.0%	0	0	0	Associate degree
27-4021	Photographers	16	17	1	6.3%	0	0	0	Long-term on-the-job training
27-4032	Film and Video Editors	18	24	6	33.3%	1	0	1	Bachelor's degree
29-0000	Healthcare Practitioners and Technical Occupations	2,751	3,222	471	17.1%	47	52	99	NA
29-1011	Chiropractors	33	40	7	21.2%	1	1	2	First Professional degree
29-1020	Dentists	31	28	-3	-9.7%	0	1	1	First Professional degree
29-1031	Dietitians and Nutritionists	18	20	2	11.1%	0	1	1	Bachelor's degree
29-1041	Optometrists	21	26	5	23.8%	1	1	2	First Professional degree
29-1051	Pharmacists	68	85	17	25.0%	2	1	3	First Professional degree
29-1061	Anesthesiologists	10	11	1	10.0%	0	0	0	First Professional degree
29-1062	Family and General Practitioners	61	70	9	14.8%	1	1	2	First Professional degree
29-1063	Internists, General	23	26	3	13.0%	0	0	0	First Professional degree
29-1064	Obstetricians and Gynecologists	11	12	1	9.1%	0	0	0	First Professional degree
29-1065	Pediatricians, General	12	12	0	0.0%	0	0	0	First Professional degree
29-1066	Psychiatrists	15	16	1	6.7%	0	0	0	First Professional degree

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29-1067	Surgeons	37	41	4	10.8%	0	1	1	First Professional degree
29-1069	Physicians and Surgeons, All Other	72	77	5	6.9%	1	1	2	First Professional degree
29-1071	Physician Assistants	48	69	21	43.8%	2	1	3	Bachelor's degree
29-1081	Podiatrists	14	17	3	21.4%	0	0	0	First Professional degree
29-1111	Registered Nurses	1,121	1,312	191	17.0%	19	24	43	Associate degree
29-1122	Occupational Therapists	49	56	7	14.3%	1	1	2	Bachelor's degree
29-1123	Physical Therapists	106	130	24	22.6%	2	1	3	Master's degree
29-1125	Recreational Therapists	16	16	0	0.0%	0	0	0	Bachelor's degree
29-1126	Respiratory Therapists	34	43	9	26.5%	1	1	2	Associate degree
29-1127	Speech-Language Pathologists	67	78	11	16.4%	1	2	3	Master's degree
29-1131	Veterinarians	14	17	3	21.4%	0	0	0	First Professional degree
29-2011	Medical and Clinical Laboratory Technologists	45	52	7	15.6%	1	1	2	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	38	41	3	7.9%	0	1	1	Associate degree
29-2021	Dental Hygienists	52	63	11	21.2%	1	0	1	Associate degree
29-2031	Cardiovascular Technologists and Technicians	16	21	5	31.3%	1	0	1	Associate degree
29-2032	Diagnostic Medical Sonographers	11	14	3	27.3%	0	0	0	Associate degree
29-2034	Radiologic Technologists and Technicians	62	71	9	14.5%	1	1	2	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	130	146	16	12.3%	2	2	4	Postsecondary vocational award
29-2051	Dietetic Technicians	12	13	1	8.3%	0	0	0	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	77	95	18	23.4%	2	1	3	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	16	20	4	25.0%	0	0	0	Moderate-term on-the-job training
29-2055	Surgical Technologists	28	33	5	17.9%	1	0	1	Postsecondary vocational award
29-2056	Veterinary Technologists and Technicians	12	17	5	41.7%	1	0	1	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses	208	222	14	6.7%	1	5	6	Postsecondary vocational award
29-2071	Medical Records and Health Information Technicians	74	106	32	43.2%	3	1	4	Associate degree
29-2081	Opticians, Dispensing	16	20	4	25.0%	0	0	0	Long-term on-the-job training
29-9010	Occupational Health and Safety Specialists and Technicians	13	13	0	0.0%	0	0	0	Bachelor's degree
29-9199	Health Professionals and Technicians, All Other	33	38	5	15.2%	1	1	2	Postsecondary vocational award
31-0000	Healthcare Support Occupations	1,917	2,284	367	19.1%	37	28	65	NA
31-1011	Home Health Aides	488	628	140	28.7%	14	6	20	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,011	1,085	74	7.3%	7	13	20	Short-term on-the-job training

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31-1013	Psychiatric Aides	11	14	3	27.3%	0	0	0	Short-term on-the-job training
31-2021	Physical Therapist Assistants	33	47	14	42.4%	1	1	2	Associate degree
31-2022	Physical Therapist Aides	13	17	4	30.8%	0	0	0	Short-term on-the-job training
31-9011	Massage Therapists	39	57	18	46.2%	2	1	3	Postsecondary vocational award
31-9091	Dental Assistants	47	58	11	23.4%	1	1	2	Moderate-term on-the-job training
31-9092	Medical Assistants	137	210	73	53.3%	7	3	10	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	14	15	1	7.1%	0	0	0	Short-term on-the-job training
31-9094	Medical Transcriptionists	56	67	11	19.6%	1	1	2	Postsecondary vocational award
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	16	22	6	37.5%	1	0	1	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Other	34	41	7	20.6%	1	1	2	Short-term on-the-job training
33-0000	Protective Service Occupations	826	941	115	13.9%	13	23	36	NA
33-1012	First-Line Supervisors/Managers of Police and Detectives	43	51	8	18.6%	1	1	2	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	14	17	3	21.4%	0	1	1	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	11	11	0	0.0%	0	0	0	Work experience in a related occupation
33-2011	Fire Fighters	176	212	36	20.5%	4	5	9	Long-term on-the-job training
33-3012	Correctional Officers and Jailers	118	131	13	11.0%	1	2	3	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	26	31	5	19.2%	1	1	2	Work experience in a related occupation
33-3051	Police and Sheriff's Patrol Officers	211	268	57	27.0%	6	6	12	Long-term on-the-job training
33-9032	Security Guards	128	114	-14	-10.9%	0	3	3	Short-term on-the-job training
33-9091	Crossing Guards	22	26	4	18.2%	0	1	1	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	31	32	1	3.2%	0	2	2	Short-term on-the-job training
35-0000	Food Preparation and Serving Related Occupations	3,374	3,557	183	5.4%	22	132	154	NA
35-1011	Chefs and Head Cooks	48	52	4	8.3%	0	1	1	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	232	239	7	3.0%	1	6	7	Work experience in a related occupation
35-2011	Cooks, Fast Food	133	130	-3	-2.3%	0	4	4	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	207	184	-23	-11.1%	0	6	6	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	192	202	10	5.2%	1	6	7	Long-term on-the-job training
35-2015	Cooks, Short Order	124	125	1	0.8%	0	4	4	Short-term on-the-job training
35-2021	Food Preparation Workers	490	534	44	9.0%	4	17	21	Short-term on-the-job training
35-3011	Bartenders	99	96	-3	-3.0%	0	4	4	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	734	827	93	12.7%	9	32	41	Short-term on-the-job training

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35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	148	164	16	10.8%	2	10	12	Short-term on-the-job training
35-3031	Waiters and Waitresses	524	560	36	6.9%	4	27	31	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	89	85	-4	-4.5%	0	3	3	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	84	88	4	4.8%	0	3	3	Short-term on-the-job training
35-9021	Dishwashers	193	188	-5	-2.6%	0	7	7	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	73	78	5	6.8%	1	2	3	Short-term on-the-job training
37-0000	Building and Grounds Cleaning and Maintenance Occupations	1,683	1,759	76	4.5%	9	34	43	NA
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	67	69	2	3.0%	0	2	2	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	25	29	4	16.0%	0	0	0	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	746	766	20	2.7%	2	14	16	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	477	519	42	8.8%	4	10	14	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	260	277	17	6.5%	2	6	8	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22	17	-5	-22.7%	0	1	1	Moderate-term on-the-job training
37-3013	Tree Trimmers and Pruners	72	69	-3	-4.2%	0	2	2	Short-term on-the-job training
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other	10	9	-1	-10.0%	0	0	0	Short-term on-the-job training
39-0000	Personal Care and Service Occupations	1,263	1,576	313	24.8%	31	29	60	NA
39-1021	First-Line Supervisors/Managers of Personal Service Workers	56	75	19	33.9%	2	1	3	Work experience in a related occupation
39-3021	Motion Picture Projectionists	26	27	1	3.8%	0	1	1	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	26	33	7	26.9%	1	2	3	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	33	39	6	18.2%	1	1	2	Short-term on-the-job training
39-3199	Gaming Workers, All Other	11	11	0	0.0%	0	0	0	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	11	11	0	0.0%	0	0	0	Postsecondary vocational award
39-5012	Hairdressers, Hairstylists, and Cosmetologists	108	109	1	0.9%	0	2	2	Postsecondary vocational award
39-9011	Child Care Workers	350	385	35	10.0%	4	10	14	Short-term on-the-job training
39-9021	Personal and Home Care Aides	421	616	195	46.3%	20	7	27	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	25	30	5	20.0%	1	1	2	Postsecondary vocational award
39-9032	Recreation Workers	82	95	13	15.9%	1	2	3	Bachelor's degree
39-9041	Residential Advisors	40	51	11	27.5%	1	1	2	Moderate-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	18	25	7	38.9%	1	0	1	Short-term on-the-job training
41-0000	Sales and Related Occupations	4,311	4,509	198	4.6%	24	146	170	NA

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41-1011	First-Line Supervisors/Managers of Retail Sales Workers	595	646	51	8.6%	5	11	16	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	88	95	7	8.0%	1	2	3	Work experience in a related occupation
41-2011	Cashiers	1,402	1,504	102	7.3%	10	68	78	Short-term on-the-job training
41-2021	Counter and Rental Clerks	87	94	7	8.0%	1	3	4	Short-term on-the-job training
41-2022	Parts Salespersons	114	111	-3	-2.6%	0	3	3	Moderate-term on-the-job training
41-2031	Retail Salespersons	1,034	1,037	3	0.3%	0	38	38	Short-term on-the-job training
41-3011	Advertising Sales Agents	37	37	0	0.0%	0	1	1	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	103	104	1	1.0%	0	3	3	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	11	14	3	27.3%	0	0	0	Bachelor's degree
41-3041	Travel Agents	10	7	-3	-30.0%	0	0	0	Postsecondary vocational award
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	78	94	16	20.5%	2	2	4	Moderate-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	266	280	14	5.3%	1	7	8	Moderate-term on-the-job training
41-9011	Demonstrators and Product Promoters	20	25	5	25.0%	1	0	1	Moderate-term on-the-job training
41-9021	Real Estate Brokers	52	54	2	3.8%	0	1	1	Work experience in a related occupation
41-9022	Real Estate Sales Agents	25	29	4	16.0%	0	1	1	Postsecondary vocational award
41-9041	Telemarketers	250	219	-31	-12.4%	0	4	4	Short-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	26	29	3	11.5%	0	1	1	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	105	122	17	16.2%	2	2	4	Moderate-term on-the-job training
43-0000	Office and Administrative Support Occupations	6,319	6,068	-251	-4.0%	17	149	166	NA
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	394	391	-3	-0.8%	0	9	9	Work experience in a related occupation
43-2011	Switchboard Operators, Including Answering Service	60	55	-5	-8.3%	0	2	2	Short-term on-the-job training
43-3011	Bill and Account Collectors	119	133	14	11.8%	1	2	3	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	165	164	-1	-0.6%	0	3	3	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	609	566	-43	-7.1%	0	11	11	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	60	55	-5	-8.3%	0	2	2	Moderate-term on-the-job training
43-3071	Tellers	226	229	3	1.3%	0	11	11	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	68	73	5	7.4%	1	2	3	Short-term on-the-job training
43-4051	Customer Service Representatives	348	386	38	10.9%	4	5	9	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	39	33	-6	-15.4%	0	1	1	Moderate-term on-the-job training
43-4071	File Clerks	53	50	-3	-5.7%	0	2	2	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	67	75	8	11.9%	1	3	4	Short-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	
43-4111	Interviewers, Except Eligibility and Loan	37	44	7	18.9%	1	1	2	Short-term on-the-job training
43-4121	Library Assistants, Clerical	72	92	20	27.8%	2	3	5	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	46	34	-12	-26.1%	0	1	1	Short-term on-the-job training
43-4141	New Accounts Clerks	34	34	0	0.0%	0	1	1	Work experience in a related occupation
43-4151	Order Clerks	43	30	-13	-30.2%	0	1	1	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	30	31	1	3.3%	0	1	1	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	234	275	41	17.5%	4	6	10	Short-term on-the-job training
43-4999	Financial, Information, and Record Clerks, All Other	108	110	2	1.9%	0	2	2	Short-term on-the-job training
43-5011	Cargo and Freight Agents	24	27	3	12.5%	0	1	1	Moderate-term on-the-job training
43-5021	Couriers and Messengers	11	10	-1	-9.1%	0	0	0	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	63	69	6	9.5%	1	1	2	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	82	88	6	7.3%	1	2	3	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	20	18	-2	-10.0%	0	1	1	Short-term on-the-job training
43-5051	Postal Service Clerks	59	49	-10	-16.9%	0	2	2	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	146	121	-25	-17.1%	0	5	5	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	59	44	-15	-25.4%	0	2	2	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	25	26	1	4.0%	0	1	1	Short-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	187	170	-17	-9.1%	0	4	4	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	431	371	-60	-13.9%	0	16	16	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	22	18	-4	-18.2%	0	1	1	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	260	258	-2	-0.8%	0	5	5	Moderate-term on-the-job training
43-6012	Legal Secretaries	42	40	-2	-4.8%	0	1	1	Postsecondary vocational award
43-6013	Medical Secretaries	167	183	16	9.6%	2	3	5	Postsecondary vocational award
43-6014	Secretaries, Except Legal, Medical, and Executive	654	573	-81	-12.4%	0	13	13	Moderate-term on-the-job training
43-9011	Computer Operators	40	30	-10	-25.0%	0	1	1	Moderate-term on-the-job training
43-9021	Data Entry Keyers	78	60	-18	-23.1%	0	2	2	Moderate-term on-the-job training
43-9022	Word Processors and Typists	117	62	-55	-47.0%	0	3	3	Moderate-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	31	30	-1	-3.2%	0	1	1	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	29	25	-4	-13.8%	0	1	1	Short-term on-the-job training
43-9061	Office Clerks, General	810	802	-8	-1.0%	0	18	18	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	20	19	-1	-5.0%	0	1	1	Short-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
43-9081	Proofreaders and Copy Markers	12	11	-1	-8.3%	0	0	0	Short-term on-the-job training
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other	70	65	-5	-7.1%	0	2	2	Short-term on-the-job training
45-0000	Farming, Fishing, and Forestry Occupations	1,867	1,932	65	3.5%	12	44	56	NA
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	85	97	12	14.1%	1	2	3	Work experience in a related occupation
45-2041	Graders and Sorters, Agricultural Products	72	73	1	1.4%	0	2	2	Work experience in a related occupation
45-2091	Agricultural Equipment Operators	64	69	5	7.8%	1	2	3	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	558	630	72	12.9%	7	16	23	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	77	79	2	2.6%	0	2	2	Short-term on-the-job training
45-3011	Fishers and Related Fishing Workers	134	129	-5	-3.7%	0	4	4	Moderate-term on-the-job training
45-4011	Forest and Conservation Workers	26	48	22	84.6%	2	1	3	Moderate-term on-the-job training
45-4021	Fallers	315	298	-17	-5.4%	0	6	6	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	483	459	-24	-5.0%	0	9	9	Moderate-term on-the-job training
45-4023	Log Graders and Scalers	37	33	-4	-10.8%	0	1	1	Moderate-term on-the-job training
45-9099	Farming, Fishing, and Forestry Workers, All Other	10	10	0	0.0%	0	0	0	Moderate-term on-the-job training
47-0000	Construction and Extraction Occupations	1,658	1,611	-47	-2.8%	1	31	32	NA
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	153	153	0	0.0%	0	3	3	Work experience in a related occupation
47-2011	Boilermakers	10	7	-3	-30.0%	0	0	0	Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	23	22	-1	-4.3%	0	0	0	Long-term on-the-job training
47-2031	Carpenters	335	327	-8	-2.4%	0	6	6	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	27	27	0	0.0%	0	1	1	Moderate-term on-the-job training
47-2061	Construction Laborers	199	197	-2	-1.0%	0	3	3	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	37	37	0	0.0%	0	1	1	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	133	136	3	2.3%	0	3	3	Moderate-term on-the-job training
47-2111	Electricians	171	159	-12	-7.0%	0	3	3	Long-term on-the-job training
47-2141	Painters, Construction and Maintenance	58	54	-4	-6.9%	0	1	1	Moderate-term on-the-job training
47-2151	Pipelayers	23	22	-1	-4.3%	0	1	1	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	108	96	-12	-11.1%	0	3	3	Long-term on-the-job training
47-2181	Roofers	17	17	0	0.0%	0	0	0	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	28	24	-4	-14.3%	0	1	1	Moderate-term on-the-job training
47-2221	Structural Iron and Steel Workers	17	15	-2	-11.8%	0	0	0	Long-term on-the-job training
47-3012	Helpers--Carpenters	17	17	0	0.0%	0	1	1	Short-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
47-3013	Helpers--Electricians	24	20	-4	-16.7%	0	1	1	Short-term on-the-job training
47-4011	Construction and Building Inspectors	10	11	1	10.0%	0	0	0	Work experience in a related occupation
47-4021	Elevator Installers and Repairers	11	10	-1	-9.1%	0	0	0	Long-term on-the-job training
47-4051	Highway Maintenance Workers	166	173	7	4.2%	1	2	3	Moderate-term on-the-job training
49-0000	Installation, Maintenance, and Repair Occupations	2,013	2,024	11	0.5%	9	46	55	NA
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	147	148	1	0.7%	0	4	4	Work experience in a related occupation
49-2011	Computer, Automated Teller, and Office Machine Repairers	19	20	1	5.3%	0	0	0	Postsecondary vocational award
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	33	30	-3	-9.1%	0	1	1	Long-term on-the-job training
49-2091	Avionics Technicians	14	15	1	7.1%	0	0	0	Postsecondary vocational award
49-2092	Electric Motor, Power Tool, and Related Repairers	26	19	-7	-26.9%	0	1	1	Postsecondary vocational award
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	10	12	2	20.0%	0	0	0	Postsecondary vocational award
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38	31	-7	-18.4%	0	1	1	Postsecondary vocational award
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	10	12	2	20.0%	0	0	0	Postsecondary vocational award
49-3021	Automotive Body and Related Repairers	68	75	7	10.3%	1	1	2	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	343	366	23	6.7%	2	9	11	Postsecondary vocational award
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	130	130	0	0.0%	0	3	3	Postsecondary vocational award
49-3041	Farm Equipment Mechanics	12	12	0	0.0%	0	0	0	Postsecondary vocational award
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	69	66	-3	-4.3%	0	2	2	Postsecondary vocational award
49-3051	Motorboat Mechanics	22	26	4	18.2%	0	1	1	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	12	16	4	33.3%	0	0	0	Moderate-term on-the-job training
49-3093	Tire Repairers and Changers	40	42	2	5.0%	0	2	2	Short-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	19	22	3	15.8%	0	1	1	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	140	165	25	17.9%	3	2	5	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	82	75	-7	-8.5%	0	2	2	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	387	387	0	0.0%	0	7	7	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	35	28	-7	-20.0%	0	1	1	Short-term on-the-job training
49-9044	Millwrights	107	77	-30	-28.0%	0	3	3	Long-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	46	46	0	0.0%	0	2	2	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	18	16	-2	-11.1%	0	1	1	Long-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	25	19	-6	-24.0%	0	1	1	Long-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	23	24	1	4.3%	0	1	1	Short-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
49-9099	Installation, Maintenance, and Repair Workers, All Other	58	61	3	5.2%	0	1	1	Moderate-term on-the-job training
51-0000	Production Occupations	3,597	3,019	-578	-16.1%	1	86	87	NA
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	239	213	-26	-10.9%	0	5	5	Work experience in a related occupation
51-2092	Team Assemblers	272	227	-45	-16.5%	0	7	7	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	54	45	-9	-16.7%	0	1	1	Moderate-term on-the-job training
51-3011	Bakers	47	50	3	6.4%	0	1	1	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	53	48	-5	-9.4%	0	1	1	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	92	80	-12	-13.0%	0	2	2	Short-term on-the-job training
51-3092	Food Batchmakers	12	12	0	0.0%	0	0	0	Short-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	14	11	-3	-21.4%	0	0	0	Moderate-term on-the-job training
51-4041	Machinists	78	69	-9	-11.5%	0	2	2	Long-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	12	11	-1	-8.3%	0	0	0	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	62	59	-3	-4.8%	0	2	2	Long-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	15	11	-4	-26.7%	0	1	1	Moderate-term on-the-job training
51-5023	Printing Machine Operators	21	17	-4	-19.0%	0	1	1	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	64	64	0	0.0%	0	2	2	Moderate-term on-the-job training
51-6031	Sewing Machine Operators	212	164	-48	-22.6%	0	3	3	Moderate-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	54	46	-8	-14.8%	0	1	1	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	165	131	-34	-20.6%	0	5	5	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	133	103	-30	-22.6%	0	4	4	Moderate-term on-the-job training
51-7099	Woodworkers, All Other	46	32	-14	-30.4%	0	1	1	Moderate-term on-the-job training
51-8012	Power Distributors and Dispatchers	14	12	-2	-14.3%	0	0	0	Long-term on-the-job training
51-8013	Power Plant Operators	15	14	-1	-6.7%	0	0	0	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	68	55	-13	-19.1%	0	1	1	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	56	55	-1	-1.8%	0	2	2	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	39	29	-10	-25.6%	0	1	1	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	62	51	-11	-17.7%	0	2	2	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	33	24	-9	-27.3%	0	1	1	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	38	28	-10	-26.3%	0	1	1	Moderate-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	72	65	-7	-9.7%	0	2	2	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	23	16	-7	-30.4%	0	1	1	Moderate-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	45	38	-7	-15.6%	0	1	1	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	125	113	-12	-9.6%	0	3	3	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
51-9111	Packaging and Filling Machine Operators and Tenders	287	268	-19	-6.6%	0	6	6	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	81	57	-24	-29.6%	0	2	2	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	12	16	4	33.3%	0	0	0	Moderate-term on-the-job training
51-9132	Photographic Processing Machine Operators	14	11	-3	-21.4%	0	0	0	Short-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	12	9	-3	-25.0%	0	0	0	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	135	100	-35	-25.9%	0	3	3	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	280	235	-45	-16.1%	0	8	8	Short-term on-the-job training
51-9199	Production Workers, All Other	293	215	-78	-26.6%	0	7	7	Moderate-term on-the-job training
53-0000	Transportation and Material Moving Occupations	3,751	3,643	-108	-2.9%	7	80	87	NA
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	41	39	-2	-4.9%	0	1	1	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	65	66	1	1.5%	0	2	2	Work experience in a related occupation
53-3021	Bus Drivers, Transit and Intercity	38	38	0	0.0%	0	1	1	Moderate-term on-the-job training
53-3022	Bus Drivers, School	135	124	-11	-8.1%	0	3	3	Short-term on-the-job training
53-3031	Driver/Sales Workers	120	115	-5	-4.2%	0	2	2	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,322	1,358	36	2.7%	4	22	26	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	326	345	19	5.8%	2	3	5	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	53	62	9	17.0%	1	1	2	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	34	35	1	2.9%	0	1	1	Short-term on-the-job training
53-4011	Locomotive Engineers	16	16	0	0.0%	0	1	1	Work experience in a related occupation
53-4031	Railroad Conductors and Yardmasters	21	21	0	0.0%	0	1	1	Work experience in a related occupation
53-5021	Captains, Mates, and Pilots of Water Vessels	16	12	-4	-25.0%	0	1	1	Work experience in a related occupation
53-6031	Service Station Attendants	127	127	0	0.0%	0	6	6	Short-term on-the-job training
53-7011	Conveyor Operators and Tenders	46	39	-7	-15.2%	0	1	1	Short-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	43	39	-4	-9.3%	0	1	1	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	229	202	-27	-11.8%	0	4	4	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	57	58	1	1.8%	0	2	2	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	570	483	-87	-15.3%	0	19	19	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	115	98	-17	-14.8%	0	3	3	Short-term on-the-job training

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53-7064	Packers and Packagers, Hand	230	225	-5	-2.2%	0	4	4	Short-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	81	78	-3	-3.7%	0	2	2	Short-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)

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		2002	2012	Net	Percent	Growth	Replacement	Total	
13-2011	Accountants and Auditors	328	313	-15	-4.6%	0	6	6	Bachelor's degree
11-3011	Administrative Services Managers	60	61	1	1.7%	0	1	1	Bachelor's degree plus work experience
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	12	12	0	0.0%	0	0	0	Bachelor's degree
11-2011	Advertising and Promotions Managers	19	24	5	26.3%	1	0	1	Bachelor's degree plus work experience
41-3011	Advertising Sales Agents	37	37	0	0.0%	0	1	1	Moderate-term on-the-job training
45-2091	Agricultural Equipment Operators	64	69	5	7.8%	1	2	3	Moderate-term on-the-job training
39-3091	Amusement and Recreation Attendants	33	39	6	18.2%	1	1	2	Short-term on-the-job training
29-1061	Anesthesiologists	10	11	1	10.0%	0	0	0	First Professional degree
27-3010	Announcers	23	18	-5	-21.7%	0	1	1	Long-term on-the-job training
13-2021	Appraisers and Assessors of Real Estate	30	32	2	6.7%	0	1	1	Postsecondary vocational award
17-3011	Architectural and Civil Drafters	12	12	0	0.0%	0	0	0	Postsecondary vocational award
27-1099	Art and Design Workers, All Other	23	21	-2	-8.7%	0	0	0	Bachelor's degree
51-2099	Assemblers and Fabricators, All Other	54	45	-9	-16.7%	0	1	1	Moderate-term on-the-job training
19-2021	Atmospheric and Space Scientists	11	12	1	9.1%	0	0	0	Bachelor's degree
49-3021	Automotive Body and Related Repairers	68	75	7	10.3%	1	1	2	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	343	366	23	6.7%	2	9	11	Postsecondary vocational award
49-2091	Avionics Technicians	14	15	1	7.1%	0	0	0	Postsecondary vocational award
51-3011	Bakers	47	50	3	6.4%	0	1	1	Long-term on-the-job training
39-5011	Barbers	11	11	0	0.0%	0	0	0	Postsecondary vocational award
35-3011	Bartenders	99	96	-3	-3.0%	0	4	4	Short-term on-the-job training
43-3011	Bill and Account Collectors	119	133	14	11.8%	1	2	3	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	165	164	-1	-0.6%	0	3	3	Moderate-term on-the-job training
19-4021	Biological Technicians	25	30	5	20.0%	1	0	1	Associate degree
47-2011	Boilermakers	10	7	-3	-30.0%	0	0	0	Long-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	609	566	-43	-7.1%	0	11	11	Moderate-term on-the-job training
47-2021	Brickmasons and Blockmasons	23	22	-1	-4.3%	0	0	0	Long-term on-the-job training
27-4012	Broadcast Technicians	10	10	0	0.0%	0	0	0	Associate degree
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other	10	9	-1	-10.0%	0	0	0	Short-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	130	130	0	0.0%	0	3	3	Postsecondary vocational award
53-3022	Bus Drivers, School	135	124	-11	-8.1%	0	3	3	Short-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	38	38	0	0.0%	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	
13-1199	Business Operations Specialists, All Other	156	194	38	24.4%	4	3	7	Bachelor's degree
25-1011	Business Teachers, Postsecondary	33	38	5	15.2%	1	1	2	Master's degree
51-3021	Butchers and Meat Cutters	53	48	-5	-9.4%	0	1	1	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	54	46	-8	-14.8%	0	1	1	Long-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	16	12	-4	-25.0%	0	1	1	Work experience in a related occupation
29-2031	Cardiovascular Technologists and Technicians	16	21	5	31.3%	1	0	1	Associate degree
43-5011	Cargo and Freight Agents	24	27	3	12.5%	0	1	1	Moderate-term on-the-job training
47-2031	Carpenters	335	327	-8	-2.4%	0	6	6	Long-term on-the-job training
41-2011	Cashiers	1,402	1,504	102	7.3%	10	68	78	Short-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	27	27	0	0.0%	0	1	1	Moderate-term on-the-job training
35-1011	Chefs and Head Cooks	48	52	4	8.3%	0	1	1	Work experience in a related occupation
17-2041	Chemical Engineers	12	9	-3	-25.0%	0	0	0	Bachelor's degree
51-9011	Chemical Equipment Operators and Tenders	39	29	-10	-25.6%	0	1	1	Moderate-term on-the-job training
11-1011	Chief Executives	146	150	4	2.7%	0	3	3	Bachelor's degree plus work experience
39-9011	Child Care Workers	350	385	35	10.0%	4	10	14	Short-term on-the-job training
21-1021	Child, Family, and School Social Workers	160	192	32	20.0%	3	3	6	Bachelor's degree
29-1011	Chiropractors	33	40	7	21.2%	1	1	2	First Professional degree
17-3022	Civil Engineering Technicians	25	23	-2	-8.0%	0	1	1	Associate degree
17-2051	Civil Engineers	30	28	-2	-6.7%	0	1	1	Bachelor's degree
53-7061	Cleaners of Vehicles and Equipment	57	58	1	1.8%	0	2	2	Short-term on-the-job training
21-2011	Clergy	153	167	14	9.2%	1	3	4	First Professional degree
19-3031	Clinical, Counseling, and School Psychologists	78	99	21	26.9%	2	2	4	Doctoral degree
27-2022	Coaches and Scouts	71	74	3	4.2%	0	1	1	Long-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	81	57	-24	-29.6%	0	2	2	Moderate-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	734	827	93	12.7%	9	32	41	Short-term on-the-job training
13-1072	Compensation, Benefits, and Job Analysis Specialists	23	24	1	4.3%	0	0	0	Bachelor's degree
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	242	265	23	9.5%	2	6	8	Long-term on-the-job training
11-3021	Computer and Information Systems Managers	55	71	16	29.1%	2	1	3	Bachelor's degree plus work experience
43-9011	Computer Operators	40	30	-10	-25.0%	0	1	1	Moderate-term on-the-job training
15-1021	Computer Programmers	26	32	6	23.1%	1	1	2	Bachelor's degree
25-1021	Computer Science Teachers, Postsecondary	20	24	4	20.0%	0	1	1	Master's degree

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15-1031	Computer Software Engineers, Applications	35	57	22	62.9%	2	0	2	Bachelor's degree
15-1099	Computer Specialists, All Other	14	23	9	64.3%	1	0	1	Associate degree
15-1041	Computer Support Specialists	116	165	49	42.2%	5	1	6	Associate degree
15-1051	Computer Systems Analysts	70	100	30	42.9%	3	1	4	Bachelor's degree
49-2011	Computer, Automated Teller, and Office Machine Repairers	19	20	1	5.3%	0	0	0	Postsecondary vocational award
19-1031	Conservation Scientists	14	18	4	28.6%	0	0	0	Bachelor's degree
47-4011	Construction and Building Inspectors	10	11	1	10.0%	0	0	0	Work experience in a related occupation
47-2061	Construction Laborers	199	197	-2	-1.0%	0	3	3	Moderate-term on-the-job training
11-9021	Construction Managers	80	81	1	1.3%	0	1	1	Bachelor's degree
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	19	22	3	15.8%	0	1	1	Moderate-term on-the-job training
53-7011	Conveyor Operators and Tenders	46	39	-7	-15.2%	0	1	1	Short-term on-the-job training
35-2011	Cooks, Fast Food	133	130	-3	-2.3%	0	4	4	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	207	184	-23	-11.1%	0	6	6	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	192	202	10	5.2%	1	6	7	Long-term on-the-job training
35-2015	Cooks, Short Order	124	125	1	0.8%	0	4	4	Short-term on-the-job training
33-3012	Correctional Officers and Jailers	118	131	13	11.0%	1	2	3	Moderate-term on-the-job training
13-1051	Cost Estimators	23	24	1	4.3%	0	1	1	Work experience in a related occupation
21-9099	Counselors, Social, and Religious Workers, All Other	58	77	19	32.8%	2	1	3	Bachelor's degree
41-2021	Counter and Rental Clerks	87	94	7	8.0%	1	3	4	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	148	164	16	10.8%	2	10	12	Short-term on-the-job training
43-5021	Couriers and Messengers	11	10	-1	-9.1%	0	0	0	Short-term on-the-job training
23-2091	Court Reporters	14	16	2	14.3%	0	0	0	Postsecondary vocational award
43-4031	Court, Municipal, and License Clerks	68	73	5	7.4%	1	2	3	Short-term on-the-job training
33-9091	Crossing Guards	22	26	4	18.2%	0	1	1	Short-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	33	24	-9	-27.3%	0	1	1	Moderate-term on-the-job training
43-4051	Customer Service Representatives	348	386	38	10.9%	4	5	9	Moderate-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	72	65	-7	-9.7%	0	2	2	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	14	11	-3	-21.4%	0	0	0	Moderate-term on-the-job training
43-9021	Data Entry Keyers	78	60	-18	-23.1%	0	2	2	Moderate-term on-the-job training
41-9011	Demonstrators and Product Promoters	20	25	5	25.0%	1	0	1	Moderate-term on-the-job training
31-9091	Dental Assistants	47	58	11	23.4%	1	1	2	Moderate-term on-the-job training

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29-2021	Dental Hygienists	52	63	11	21.2%	1	0	1	Associate degree
29-1020	Dentists	31	28	-3	-9.7%	0	1	1	First Professional degree
33-3021	Detectives and Criminal Investigators	26	31	5	19.2%	1	1	2	Work experience in a related occupation
29-2032	Diagnostic Medical Sonographers	11	14	3	27.3%	0	0	0	Associate degree
29-2051	Dietetic Technicians	12	13	1	8.3%	0	0	0	Moderate-term on-the-job training
29-1031	Dietitians and Nutritionists	18	20	2	11.1%	0	1	1	Bachelor's degree
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	84	88	4	4.8%	0	3	3	Short-term on-the-job training
21-2021	Directors, Religious Activities and Education	16	19	3	18.8%	0	0	0	Bachelor's degree
35-9021	Dishwashers	193	188	-5	-2.6%	0	7	7	Short-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	82	88	6	7.3%	1	2	3	Moderate-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	26	29	3	11.5%	0	1	1	Short-term on-the-job training
53-3031	Driver/Sales Workers	120	115	-5	-4.2%	0	2	2	Short-term on-the-job training
27-3041	Editors	38	46	8	21.1%	1	1	2	Bachelor's degree
11-9032	Education Administrators, Elementary and Secondary School	122	120	-2	-1.6%	0	3	3	Bachelor's degree plus work experience
11-9033	Education Administrators, Postsecondary	31	33	2	6.5%	0	1	1	Bachelor's degree plus work experience
25-1081	Education Teachers, Postsecondary	20	24	4	20.0%	0	1	1	Doctoral degree
21-1012	Educational, Vocational, and School Counselors	93	85	-8	-8.6%	0	2	2	Master's degree
49-2092	Electric Motor, Power Tool, and Related Repairers	26	19	-7	-26.9%	0	1	1	Postsecondary vocational award
17-3023	Electrical and Electronic Engineering Technicians	14	16	2	14.3%	0	0	0	Associate degree
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	10	12	2	20.0%	0	0	0	Postsecondary vocational award
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38	31	-7	-18.4%	0	1	1	Postsecondary vocational award
17-2071	Electrical Engineers	10	6	-4	-40.0%	0	0	0	Bachelor's degree
49-9051	Electrical Power-Line Installers and Repairers	46	46	0	0.0%	0	2	2	Long-term on-the-job training
47-2111	Electricians	171	159	-12	-7.0%	0	3	3	Long-term on-the-job training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	10	12	2	20.0%	0	0	0	Postsecondary vocational award
25-2021	Elementary School Teachers, Except Special Education	585	551	-34	-5.8%	0	13	13	Bachelor's degree
47-4021	Elevator Installers and Repairers	11	10	-1	-9.1%	0	0	0	Long-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	39	33	-6	-15.4%	0	1	1	Moderate-term on-the-job training
29-2041	Emergency Medical Technicians and Paramedics	130	146	16	12.3%	2	2	4	Postsecondary vocational award
13-1071	Employment, Recruitment, and Placement Specialists	27	27	0	0.0%	0	0	0	Bachelor's degree
11-9041	Engineering Managers	21	17	-4	-19.0%	0	0	0	Bachelor's degree plus work experience

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17-2199	Engineers, All Other	10	9	-1	-10.0%	0	0	0	Bachelor's degree
25-1123	English Language and Literature Teachers, Postsecondary	25	29	4	16.0%	0	1	1	Master's degree
19-2041	Environmental Scientists and Specialists, Including Health	28	29	1	3.6%	0	1	1	Master's degree
53-7032	Excavating and Loading Machine and Dragline Operators	43	39	-4	-9.3%	0	1	1	Moderate-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	260	258	-2	-0.8%	0	5	5	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	23	16	-7	-30.4%	0	1	1	Moderate-term on-the-job training
45-4021	Fallers	315	298	-17	-5.4%	0	6	6	Moderate-term on-the-job training
29-1062	Family and General Practitioners	61	70	9	14.8%	1	1	2	First Professional degree
49-3041	Farm Equipment Mechanics	12	12	0	0.0%	0	0	0	Postsecondary vocational award
11-9011	Farm, Ranch, and Other Agricultural Managers	173	196	23	13.3%	2	3	5	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	1,284	1,249	-35	-2.7%	0	8	8	Long-term on-the-job training
45-9099	Farming, Fishing, and Forestry Workers, All Other	10	10	0	0.0%	0	0	0	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	558	630	72	12.9%	7	16	23	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	77	79	2	2.6%	0	2	2	Short-term on-the-job training
43-4071	File Clerks	53	50	-3	-5.7%	0	2	2	Short-term on-the-job training
27-4032	Film and Video Editors	18	24	6	33.3%	1	0	1	Bachelor's degree
13-2051	Financial Analysts	12	14	2	16.7%	0	0	0	Bachelor's degree
11-3031	Financial Managers	168	177	9	5.4%	1	2	3	Bachelor's degree plus work experience
13-2099	Financial Specialists, All Other	27	29	2	7.4%	0	1	1	Bachelor's degree
43-4999	Financial, Information, and Record Clerks, All Other	108	110	2	1.9%	0	2	2	Short-term on-the-job training
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	12	12	0	0.0%	0	0	0	Long-term on-the-job training
33-2011	Fire Fighters	176	212	36	20.5%	4	5	9	Long-term on-the-job training
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	153	153	0	0.0%	0	3	3	Work experience in a related occupation
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	85	97	12	14.1%	1	2	3	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	14	17	3	21.4%	0	1	1	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	232	239	7	3.0%	1	6	7	Work experience in a related occupation
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	41	39	-2	-4.9%	0	1	1	Work experience in a related occupation
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	67	69	2	3.0%	0	2	2	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	25	29	4	16.0%	0	0	0	Work experience in a related occupation
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	147	148	1	0.7%	0	4	4	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	88	95	7	8.0%	1	2	3	Work experience in a related occupation

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43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	394	391	-3	-0.8%	0	9	9	Work experience in a related occupation
39-1021	First-Line Supervisors/Managers of Personal Service Workers	56	75	19	33.9%	2	1	3	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	43	51	8	18.6%	1	1	2	Work experience in a related occupation
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	239	213	-26	-10.9%	0	5	5	Work experience in a related occupation
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	595	646	51	8.6%	5	11	16	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	65	66	1	1.5%	0	2	2	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	11	11	0	0.0%	0	0	0	Work experience in a related occupation
45-3011	Fishers and Related Fishing Workers	134	129	-5	-3.7%	0	4	4	Moderate-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	25	30	5	20.0%	1	1	2	Postsecondary vocational award
27-1023	Floral Designers	40	43	3	7.5%	0	1	1	Moderate-term on-the-job training
51-3092	Food Batchmakers	12	12	0	0.0%	0	0	0	Short-term on-the-job training
35-2021	Food Preparation Workers	490	534	44	9.0%	4	17	21	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	89	85	-4	-4.5%	0	3	3	Short-term on-the-job training
11-9051	Food Service Managers	123	128	5	4.1%	1	2	3	Work experience in a related occupation
19-4093	Forest and Conservation Technicians	11	12	1	9.1%	0	0	0	Associate degree
45-4011	Forest and Conservation Workers	26	48	22	84.6%	2	1	3	Moderate-term on-the-job training
19-1032	Foresters	24	28	4	16.7%	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	45	38	-7	-15.6%	0	1	1	Moderate-term on-the-job training
39-3199	Gaming Workers, All Other	11	11	0	0.0%	0	0	0	Moderate-term on-the-job training
11-1021	General and Operations Managers	720	770	50	6.9%	5	14	19	Bachelor's degree plus work experience
45-2041	Graders and Sorters, Agricultural Products	72	73	1	1.4%	0	2	2	Work experience in a related occupation
25-1191	Graduate Teaching Assistants	40	46	6	15.0%	1	1	2	Bachelor's degree
27-1024	Graphic Designers	39	43	4	10.3%	0	1	1	Bachelor's degree
39-5012	Hairdressers, Hairstylists, and Cosmetologists	108	109	1	0.9%	0	2	2	Postsecondary vocational award
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	15	15	0	0.0%	0	0	0	Bachelor's degree
21-1091	Health Educators	25	30	5	20.0%	1	0	1	Master's degree
29-9199	Health Professionals and Technicians, All Other	33	38	5	15.2%	1	1	2	Postsecondary vocational award
25-1071	Health Specialties Teachers, Postsecondary	28	32	4	14.3%	0	1	1	Master's degree
31-9099	Healthcare Support Workers, All Other	34	41	7	20.6%	1	1	2	Short-term on-the-job training

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49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	140	165	25	17.9%	3	2	5	Long-term on-the-job training
47-3012	Helpers--Carpenters	17	17	0	0.0%	0	1	1	Short-term on-the-job training
47-3013	Helpers--Electricians	24	20	-4	-16.7%	0	1	1	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	23	24	1	4.3%	0	1	1	Short-term on-the-job training
51-9198	Helpers--Production Workers	280	235	-45	-16.1%	0	8	8	Short-term on-the-job training
47-4051	Highway Maintenance Workers	166	173	7	4.2%	1	2	3	Moderate-term on-the-job training
31-1011	Home Health Aides	488	628	140	28.7%	14	6	20	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	73	78	5	6.8%	1	2	3	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	67	75	8	11.9%	1	3	4	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	30	31	1	3.3%	0	1	1	Short-term on-the-job training
11-3040	Human Resources Managers	51	49	-2	-3.9%	0	1	1	Bachelor's degree plus work experience
17-3026	Industrial Engineering Technicians	12	8	-4	-33.3%	0	0	0	Associate degree
17-2112	Industrial Engineers	26	23	-3	-11.5%	0	1	1	Bachelor's degree
49-9041	Industrial Machinery Mechanics	82	75	-7	-8.5%	0	2	2	Long-term on-the-job training
11-3051	Industrial Production Managers	57	52	-5	-8.8%	0	1	1	Bachelor's degree
53-7051	Industrial Truck and Tractor Operators	229	202	-27	-11.8%	0	4	4	Short-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	125	113	-12	-9.6%	0	3	3	Moderate-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	58	61	3	5.2%	0	1	1	Moderate-term on-the-job training
25-9031	Instructional Coordinators	18	22	4	22.2%	0	0	0	Master's degree
43-9041	Insurance Claims and Policy Processing Clerks	31	30	-1	-3.2%	0	1	1	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	103	104	1	1.0%	0	3	3	Bachelor's degree
13-2053	Insurance Underwriters	11	11	0	0.0%	0	0	0	Bachelor's degree
29-1063	Internists, General	23	26	3	13.0%	0	0	0	First Professional degree
27-3091	Interpreters and Translators	14	17	3	21.4%	0	0	0	Long-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	37	44	7	18.9%	1	1	2	Short-term on-the-job training
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	746	766	20	2.7%	2	14	16	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
25-2012	Kindergarten Teachers, Except Special Education	107	112	5	4.7%	1	1	2	Bachelor's degree
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	570	483	-87	-15.3%	0	19	19	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	260	277	17	6.5%	2	6	8	Short-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	64	64	0	0.0%	0	2	2	Moderate-term on-the-job training

Employment and Job Openings for All Occupations in Northern 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	
23-1011	Lawyers	105	109	4	3.8%	0	1	1	First Professional degree
43-6012	Legal Secretaries	42	40	-2	-4.8%	0	1	1	Postsecondary vocational award
11-1031	Legislators	37	38	1	2.7%	0	1	1	Bachelor's degree plus work experience
25-4021	Librarians	102	117	15	14.7%	2	2	4	Master's degree
43-4121	Library Assistants, Clerical	72	92	20	27.8%	2	3	5	Short-term on-the-job training
25-4031	Library Technicians	144	165	21	14.6%	2	5	7	Short-term on-the-job training
29-2061	Licensed Practical and Licensed Vocational Nurses	208	222	14	6.7%	1	5	6	Postsecondary vocational award
19-4099	Life, Physical, and Social Science Technicians, All Other	10	10	0	0.0%	0	0	0	Associate degree
43-4131	Loan Interviewers and Clerks	46	34	-12	-26.1%	0	1	1	Short-term on-the-job training
13-2072	Loan Officers	85	88	3	3.5%	0	1	1	Bachelor's degree
53-4011	Locomotive Engineers	16	16	0	0.0%	0	1	1	Work experience in a related occupation
11-9081	Lodging Managers	30	29	-1	-3.3%	0	1	1	Work experience in a related occupation
45-4023	Log Graders and Scalers	37	33	-4	-10.8%	0	1	1	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	483	459	-24	-5.0%	0	9	9	Moderate-term on-the-job training
53-7063	Machine Feeders and Offbearers	115	98	-17	-14.8%	0	3	3	Short-term on-the-job training
51-4041	Machinists	78	69	-9	-11.5%	0	2	2	Long-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	477	519	42	8.8%	4	10	14	Short-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	29	25	-4	-13.8%	0	1	1	Short-term on-the-job training
49-9042	Maintenance and Repair Workers, General	387	387	0	0.0%	0	7	7	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	35	28	-7	-20.0%	0	1	1	Short-term on-the-job training
13-1111	Management Analysts	56	61	5	8.9%	1	1	2	Bachelor's degree plus work experience
11-9199	Managers, All Other	158	167	9	5.7%	1	3	4	Work experience in a related occupation
11-2021	Marketing Managers	40	38	-2	-5.0%	0	1	1	Bachelor's degree plus work experience
31-9011	Massage Therapists	39	57	18	46.2%	2	1	3	Postsecondary vocational award
25-1022	Mathematical Science Teachers, Postsecondary	18	19	1	5.6%	0	0	0	Master's degree
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	92	80	-12	-13.0%	0	2	2	Short-term on-the-job training
17-3013	Mechanical Drafters	12	9	-3	-25.0%	0	0	0	Postsecondary vocational award
17-2141	Mechanical Engineers	18	15	-3	-16.7%	0	1	1	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	38	41	3	7.9%	0	1	1	Associate degree
29-2011	Medical and Clinical Laboratory Technologists	45	52	7	15.6%	1	1	2	Bachelor's degree
11-9111	Medical and Health Services Managers	112	138	26	23.2%	3	2	5	Bachelor's degree plus work experience

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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	
21-1022	Medical and Public Health Social Workers	66	86	20	30.3%	2	1	3	Bachelor's degree
31-9092	Medical Assistants	137	210	73	53.3%	7	3	10	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	14	15	1	7.1%	0	0	0	Short-term on-the-job training
29-2071	Medical Records and Health Information Technicians	74	106	32	43.2%	3	1	4	Associate degree
43-6013	Medical Secretaries	167	183	16	9.6%	2	3	5	Postsecondary vocational award
31-9094	Medical Transcriptionists	56	67	11	19.6%	1	1	2	Postsecondary vocational award
21-1023	Mental Health and Substance Abuse Social Workers	100	135	35	35.0%	4	2	6	Master's degree
21-1014	Mental Health Counselors	91	107	16	17.6%	2	2	4	Master's degree
27-1026	Merchandise Displayers and Window Trimmers	33	43	10	30.3%	1	0	1	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	20	18	-2	-10.0%	0	1	1	Short-term on-the-job training
25-2022	Middle School Teachers, Except Special and Vocational Education	332	296	-36	-10.8%	0	7	7	Bachelor's degree
49-9044	Millwrights	107	77	-30	-28.0%	0	3	3	Long-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	38	28	-10	-26.3%	0	1	1	Moderate-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	69	66	-3	-4.3%	0	2	2	Postsecondary vocational award
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	12	9	-3	-25.0%	0	0	0	Moderate-term on-the-job training
39-3021	Motion Picture Projectionists	26	27	1	3.8%	0	1	1	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	34	35	1	2.9%	0	1	1	Short-term on-the-job training
49-3051	Motorboat Mechanics	22	26	4	18.2%	0	1	1	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	10	12	2	20.0%	0	0	0	Bachelor's degree
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	12	11	-1	-8.3%	0	0	0	Moderate-term on-the-job training
27-2041	Music Directors and Composers	16	17	1	6.3%	0	0	0	Bachelor's degree plus work experience
27-2042	Musicians and Singers	34	39	5	14.7%	1	1	2	Long-term on-the-job training
11-9121	Natural Sciences Managers	19	19	0	0.0%	0	0	0	Bachelor's degree plus work experience
15-1071	Network and Computer Systems Administrators	36	46	10	27.8%	1	0	1	Bachelor's degree
43-4141	New Accounts Clerks	34	34	0	0.0%	0	1	1	Work experience in a related occupation
27-3020	News Analysts, Reporters and Correspondents	18	20	2	11.1%	0	0	0	Bachelor's degree plus work experience
31-1012	Nursing Aides, Orderlies, and Attendants	1,011	1,085	74	7.3%	7	13	20	Short-term on-the-job training
25-1072	Nursing Instructors and Teachers, Postsecondary	10	12	2	20.0%	0	0	0	Doctoral degree
29-1064	Obstetricians and Gynecologists	11	12	1	9.1%	0	0	0	First Professional degree
29-9010	Occupational Health and Safety Specialists and Technicians	13	13	0	0.0%	0	0	0	Bachelor's degree
29-1122	Occupational Therapists	49	56	7	14.3%	1	1	2	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	
43-9061	Office Clerks, General	810	802	-8	-1.0%	0	18	18	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	20	19	-1	-5.0%	0	1	1	Short-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	133	136	3	2.3%	0	3	3	Moderate-term on-the-job training
29-2081	Opticians, Dispensing	16	20	4	25.0%	0	0	0	Long-term on-the-job training
29-1041	Optometrists	21	26	5	23.8%	1	1	2	First Professional degree
43-4151	Order Clerks	43	30	-13	-30.2%	0	1	1	Short-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	12	16	4	33.3%	0	0	0	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	287	268	-19	-6.6%	0	6	6	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	230	225	-5	-2.2%	0	4	4	Short-term on-the-job training
47-2141	Painters, Construction and Maintenance	58	54	-4	-6.9%	0	1	1	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	12	16	4	33.3%	0	0	0	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	135	100	-35	-25.9%	0	3	3	Moderate-term on-the-job training
23-2011	Paralegals and Legal Assistants	32	33	1	3.1%	0	0	0	Associate degree
41-2022	Parts Salespersons	114	111	-3	-2.6%	0	3	3	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	37	37	0	0.0%	0	1	1	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	60	55	-5	-8.3%	0	2	2	Moderate-term on-the-job training
29-1065	Pediatricians, General	12	12	0	0.0%	0	0	0	First Professional degree
39-9021	Personal and Home Care Aides	421	616	195	46.3%	20	7	27	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	18	25	7	38.9%	1	0	1	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22	17	-5	-22.7%	0	1	1	Moderate-term on-the-job training
29-1051	Pharmacists	68	85	17	25.0%	2	1	3	First Professional degree
29-2052	Pharmacy Technicians	77	95	18	23.4%	2	1	3	Moderate-term on-the-job training
27-4021	Photographers	16	17	1	6.3%	0	0	0	Long-term on-the-job training
51-9132	Photographic Processing Machine Operators	14	11	-3	-21.4%	0	0	0	Short-term on-the-job training
31-2022	Physical Therapist Aides	13	17	4	30.8%	0	0	0	Short-term on-the-job training
31-2021	Physical Therapist Assistants	33	47	14	42.4%	1	1	2	Associate degree
29-1123	Physical Therapists	106	130	24	22.6%	2	1	3	Master's degree
29-1071	Physician Assistants	48	69	21	43.8%	2	1	3	Bachelor's degree
29-1069	Physicians and Surgeons, All Other	72	77	5	6.9%	1	1	2	First Professional degree
47-2151	Pipelayers	23	22	-1	-4.3%	0	1	1	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	108	96	-12	-11.1%	0	3	3	Long-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	
29-1081	Podiatrists	14	17	3	21.4%	0	0	0	First Professional degree
33-3051	Police and Sheriff's Patrol Officers	211	268	57	27.0%	6	6	12	Long-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	63	69	6	9.5%	1	1	2	Moderate-term on-the-job training
43-5051	Postal Service Clerks	59	49	-10	-16.9%	0	2	2	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	146	121	-25	-17.1%	0	5	5	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	59	44	-15	-25.4%	0	2	2	Short-term on-the-job training
11-9131	Postmasters and Mail Superintendents	62	52	-10	-16.1%	0	1	1	Work experience in a related occupation
25-1199	Postsecondary Teachers, All Other	42	49	7	16.7%	1	1	2	Doctoral degree
51-8012	Power Distributors and Dispatchers	14	12	-2	-14.3%	0	0	0	Long-term on-the-job training
51-8013	Power Plant Operators	15	14	-1	-6.7%	0	0	0	Long-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	25	19	-6	-24.0%	0	1	1	Long-term on-the-job training
25-2011	Preschool Teachers, Except Special Education	93	101	8	8.6%	1	1	2	Postsecondary vocational award
51-5023	Printing Machine Operators	21	17	-4	-19.0%	0	1	1	Moderate-term on-the-job training
21-1092	Probation Officers and Correctional Treatment Specialists	27	27	0	0.0%	0	1	1	Bachelor's degree
27-2012	Producers and Directors	20	25	5	25.0%	1	0	1	Bachelor's degree plus work experience
51-9199	Production Workers, All Other	293	215	-78	-26.6%	0	7	7	Moderate-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	25	26	1	4.0%	0	1	1	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	12	11	-1	-8.3%	0	0	0	Short-term on-the-job training
11-9141	Property, Real Estate, and Community Association Managers	42	44	2	4.8%	0	1	1	Bachelor's degree
33-9099	Protective Service Workers, All Other	31	32	1	3.2%	0	2	2	Short-term on-the-job training
31-1013	Psychiatric Aides	11	14	3	27.3%	0	0	0	Short-term on-the-job training
29-2053	Psychiatric Technicians	16	20	4	25.0%	0	0	0	Moderate-term on-the-job training
29-1066	Psychiatrists	15	16	1	6.7%	0	0	0	First Professional degree
27-3031	Public Relations Specialists	15	16	1	6.7%	0	0	0	Bachelor's degree
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	37	36	-1	-2.7%	0	1	1	Work experience in a related occupation
11-3061	Purchasing Managers	19	17	-2	-10.5%	0	0	0	Bachelor's degree plus work experience
29-2034	Radiologic Technologists and Technicians	62	71	9	14.5%	1	1	2	Associate degree
53-4031	Railroad Conductors and Yardmasters	21	21	0	0.0%	0	1	1	Work experience in a related occupation
41-9021	Real Estate Brokers	52	54	2	3.8%	0	1	1	Work experience in a related occupation
41-9022	Real Estate Sales Agents	25	29	4	16.0%	0	1	1	Postsecondary vocational award
43-4171	Receptionists and Information Clerks	234	275	41	17.5%	4	6	10	Short-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	
39-9032	Recreation Workers	82	95	13	15.9%	1	2	3	Bachelor's degree
29-1125	Recreational Therapists	16	16	0	0.0%	0	0	0	Bachelor's degree
53-7081	Refuse and Recyclable Material Collectors	81	78	-3	-3.7%	0	2	2	Short-term on-the-job training
29-1111	Registered Nurses	1,121	1,312	191	17.0%	19	24	43	Associate degree
21-1015	Rehabilitation Counselors	108	135	27	25.0%	3	3	6	Master's degree
39-9041	Residential Advisors	40	51	11	27.5%	1	1	2	Moderate-term on-the-job training
29-1126	Respiratory Therapists	34	43	9	26.5%	1	1	2	Associate degree
41-2031	Retail Salespersons	1,034	1,037	3	0.3%	0	38	38	Short-term on-the-job training
47-2181	Roofers	17	17	0	0.0%	0	0	0	Moderate-term on-the-job training
41-9099	Sales and Related Workers, All Other	105	122	17	16.2%	2	2	4	Moderate-term on-the-job training
11-2022	Sales Managers	52	62	10	19.2%	1	1	2	Bachelor's degree plus work experience
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	78	94	16	20.5%	2	2	4	Moderate-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	266	280	14	5.3%	1	7	8	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	165	131	-34	-20.6%	0	5	5	Moderate-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	562	544	-18	-3.2%	0	16	16	Bachelor's degree
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other	70	65	-5	-7.1%	0	2	2	Short-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	654	573	-81	-12.4%	0	13	13	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	11	14	3	27.3%	0	0	0	Bachelor's degree
33-9032	Security Guards	128	114	-14	-10.9%	0	3	3	Short-term on-the-job training
25-3021	Self-Enrichment Education Teachers	28	41	13	46.4%	1	0	1	Work experience in a related occupation
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	62	51	-11	-17.7%	0	2	2	Moderate-term on-the-job training
53-6031	Service Station Attendants	127	127	0	0.0%	0	6	6	Short-term on-the-job training
51-6031	Sewing Machine Operators	212	164	-48	-22.6%	0	3	3	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	28	24	-4	-14.3%	0	1	1	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	187	170	-17	-9.1%	0	4	4	Short-term on-the-job training
11-9151	Social and Community Service Managers	81	102	21	25.9%	2	2	4	Bachelor's degree
21-1093	Social and Human Service Assistants	263	393	130	49.4%	13	5	18	Moderate-term on-the-job training
25-2042	Special Education Teachers, Middle School	50	54	4	8.0%	0	1	1	Bachelor's degree
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	126	134	8	6.3%	1	3	4	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	64	68	4	6.3%	0	2	2	Bachelor's degree
29-1127	Speech-Language Pathologists	67	78	11	16.4%	1	2	3	Master's degree

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		2002	2012	Net	Percent	Growth	Replacement	Total	
51-8021	Stationary Engineers and Boiler Operators	68	55	-13	-19.1%	0	1	1	Long-term on-the-job training
43-5081	Stock Clerks and Order Fillers	431	371	-60	-13.9%	0	16	16	Short-term on-the-job training
47-2221	Structural Iron and Steel Workers	17	15	-2	-11.8%	0	0	0	Long-term on-the-job training
21-1011	Substance Abuse and Behavioral Disorder Counselors	45	51	6	13.3%	1	1	2	Master's degree
29-1067	Surgeons	37	41	4	10.8%	0	1	1	First Professional degree
29-2055	Surgical Technologists	28	33	5	17.9%	1	0	1	Postsecondary vocational award
43-2011	Switchboard Operators, Including Answering Service	60	55	-5	-8.3%	0	2	2	Short-term on-the-job training
13-2081	Tax Examiners, Collectors, and Revenue Agents	25	26	1	4.0%	0	1	1	Bachelor's degree
13-2082	Tax Preparers	12	12	0	0.0%	0	0	0	Moderate-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	53	62	9	17.0%	1	1	2	Short-term on-the-job training
25-9041	Teacher Assistants	695	701	6	0.9%	1	13	14	Short-term on-the-job training
25-3999	Teachers, Primary, Secondary, and Adult, All Other	244	280	36	14.8%	4	3	7	Bachelor's degree
51-2092	Team Assemblers	272	227	-45	-16.5%	0	7	7	Moderate-term on-the-job training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	33	30	-3	-9.1%	0	1	1	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	18	16	-2	-11.1%	0	1	1	Long-term on-the-job training
41-9041	Telemarketers	250	219	-31	-12.4%	0	4	4	Short-term on-the-job training
43-3071	Tellers	226	229	3	1.3%	0	11	11	Short-term on-the-job training
49-3093	Tire Repairers and Changers	40	42	2	5.0%	0	2	2	Short-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	15	11	-4	-26.7%	0	1	1	Moderate-term on-the-job training
13-1073	Training and Development Specialists	59	67	8	13.6%	1	1	2	Bachelor's degree
11-3071	Transportation, Storage, and Distribution Managers	31	33	2	6.5%	0	1	1	Work experience in a related occupation
41-3041	Travel Agents	10	7	-3	-30.0%	0	0	0	Postsecondary vocational award
37-3013	Tree Trimmers and Pruners	72	69	-3	-4.2%	0	2	2	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,322	1,358	36	2.7%	4	22	26	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	326	345	19	5.8%	2	3	5	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	26	33	7	26.9%	1	2	3	Short-term on-the-job training
29-1131	Veterinarians	14	17	3	21.4%	0	0	0	First Professional degree
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	16	22	6	37.5%	1	0	1	Short-term on-the-job training
29-2056	Veterinary Technologists and Technicians	12	17	5	41.7%	1	0	1	Associate degree
25-1194	Vocational Education Teachers, Postsecondary	36	43	7	19.4%	1	1	2	Work experience in a related occupation
25-2032	Vocational Education Teachers, Secondary School	24	22	-2	-8.3%	0	1	1	Bachelor's degree plus work experience

Employment and Job Openings for All Occupations in Northern 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	
35-3031	Waiters and Waitresses	524	560	36	6.9%	4	27	31	Short-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	56	55	-1	-1.8%	0	2	2	Long-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	22	18	-4	-18.2%	0	1	1	Short-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	62	59	-3	-4.8%	0	2	2	Long-term on-the-job training
13-1022	Wholesale and Retail Buyers, Except Farm Products	45	45	0	0.0%	0	1	1	Work experience in a related occupation
51-7099	Woodworkers, All Other	46	32	-14	-30.4%	0	1	1	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	133	103	-30	-22.6%	0	4	4	Moderate-term on-the-job training
43-9022	Word Processors and Typists	117	62	-55	-47.0%	0	3	3	Moderate-term on-the-job training
27-3043	Writers and Authors	19	22	3	15.8%	0	0	0	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	10	10	0	0.0%	0	0	0	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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