

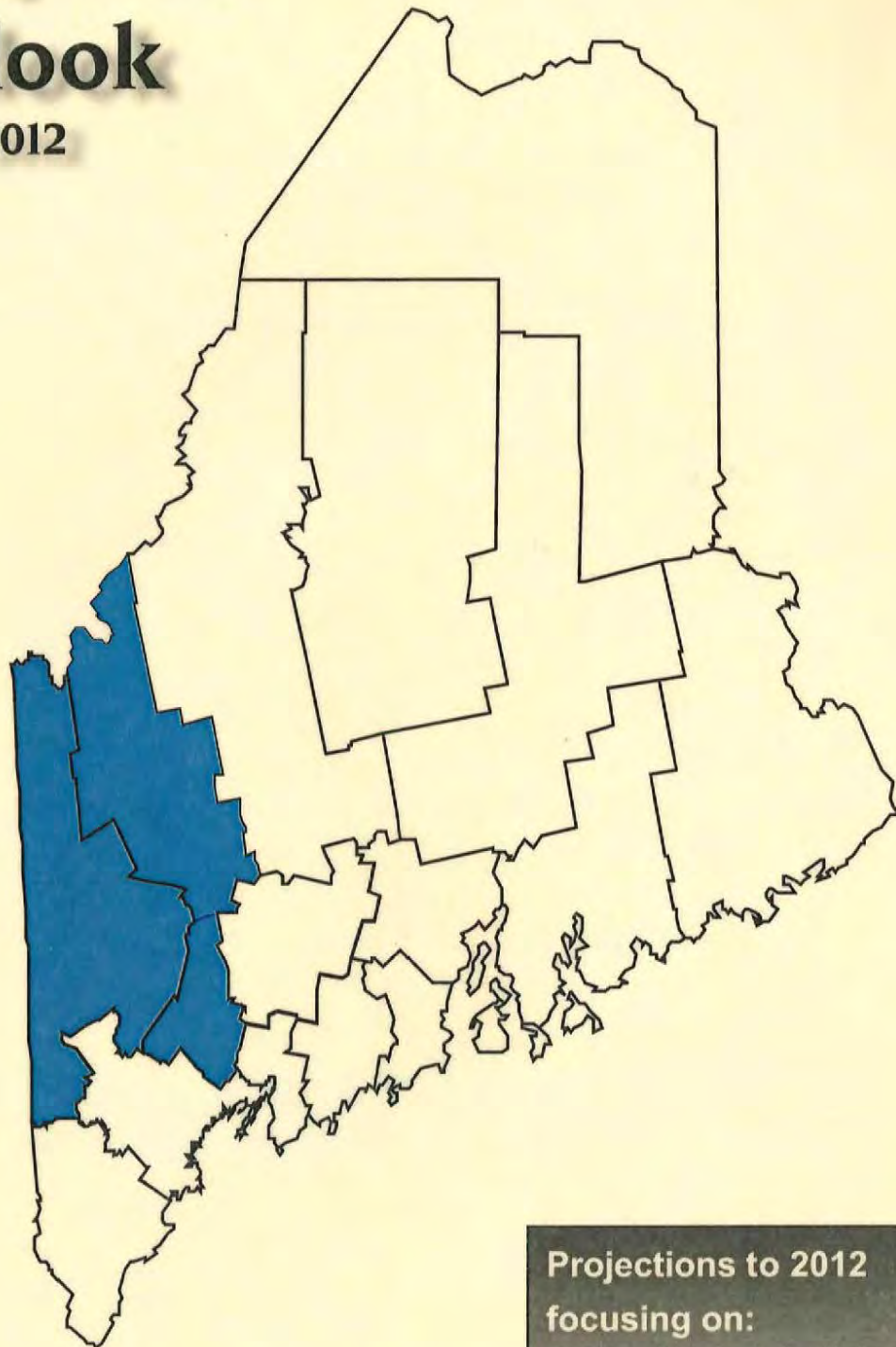
# MAINE STATE LEGISLATURE

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# Western Maine Employment Outlook to 2012



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*Labor Market Information*

## Projections to 2012

### focusing on:

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



# **Western Maine Employment Outlook**

## **2002 to 2012**

*Industrial and Occupational Employment Projections  
For Androscoggin, Franklin, and Oxford Counties*

This publication is a product of the Economic and Demographic Research Group  
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## *Preface*

*Western 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.

John Dorrer, Director  
Division of Labor Market Information Services  
Maine Department of Labor



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**Industry Employment  
2002 and Projected 2012**



## Employment by Industry in Western Maine, 2002 and Projected 2012

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
<b>Total Employment</b>	<b>85,820</b>	<b>90,978</b>	<b>5,158</b>	<b>6.0%</b>
<b>Self-Employed, Private Household, and Unpaid Family Workers</b>	<b>8,517</b>	<b>9,361</b>	<b>844</b>	<b>9.9%</b>
<b>Wage and Salary Jobs</b>	<b>77,303</b>	<b>81,617</b>	<b>4,314</b>	<b>5.6%</b>
<b>Total Private</b>	<b>66,500</b>	<b>70,459</b>	<b>3,959</b>	<b>6.0%</b>
<b>Goods-Producing Industries</b>	<b>17,158</b>	<b>14,967</b>	<b>-2,191</b>	<b>-12.8%</b>
<b>Natural Resources and Mining</b>	<b>871</b>	<b>864</b>	<b>-7</b>	<b>-0.8%</b>
<b>Agriculture, Forestry, Fishing and Hunting</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>
Crop production	248	262	14	5.6%
Animal production	110	125	15	13.6%
Forestry and logging	395	376	-19	-4.8%
Fishing, hunting and trapping	ND	ND	ND	ND
Agriculture and forestry support activities	91	77	-14	-15.4%
<b>Mining</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>
Mining, except oil and gas	ND	ND	ND	ND
<b>Construction</b>	<b>3,911</b>	<b>3,855</b>	<b>-56</b>	<b>-1.4%</b>
Construction of buildings	1,180	1,154	-26	-2.2%
Heavy and civil engineering construction	178	190	12	6.7%
Specialty trade contractors	2,553	2,511	-42	-1.6%
<b>Manufacturing</b>	<b>12,376</b>	<b>10,248</b>	<b>-2,128</b>	<b>-17.2%</b>
<b>Durable Goods</b>	<b>4,725</b>	<b>4,150</b>	<b>-575</b>	<b>-12.2%</b>
Wood product manufacturing	2,035	1,725	-310	-15.2%
Nonmetallic mineral product manufacturing	285	276	-9	-3.2%
Primary metal manufacturing	356	311	-45	-12.6%
Fabricated metal product manufacturing	828	748	-80	-9.7%
Machinery manufacturing	142	132	-10	-7.0%
Computer and electronic product manufacturing	133	124	-9	-6.8%
Electrical equipment and appliance mfg.	227	214	-13	-5.7%
Transportation equipment manufacturing	ND	ND	ND	ND
Furniture and related product manufacturing	498	416	-82	-16.5%
Miscellaneous manufacturing	194	176	-18	-9.3%
<b>Nondurable Goods</b>	<b>7,651</b>	<b>6,098</b>	<b>-1,553</b>	<b>-20.3%</b>
Food manufacturing	478	466	-12	-2.5%
Beverage and tobacco product manufacturing	287	298	11	3.8%
Textile mills	813	558	-255	-31.4%
Textile product mills	56	49	-7	-12.5%
Apparel manufacturing	ND	ND	ND	ND
Leather and allied product manufacturing	673	379	-294	-43.7%
Paper manufacturing	3,481	2,794	-687	-19.7%
Printing and related support activities	740	681	-59	-8.0%
Petroleum and coal products manufacturing	ND	ND	ND	ND
Chemical manufacturing	ND	ND	ND	ND

## Employment by Industry in Western Maine, 2002 and Projected 2012

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
Plastics and rubber products manufacturing	1,031	799	-232	-22.5%
<b>Service-Providing Industries</b>	<b>60,145</b>	<b>66,650</b>	<b>6,505</b>	<b>10.8%</b>
<b>Trade, Transportation, and Utilities</b>	<b>15,042</b>	<b>15,988</b>	<b>946</b>	<b>6.3%</b>
<b>Wholesale Trade</b>	<b>1,567</b>	<b>1,734</b>	<b>167</b>	<b>10.7%</b>
Merchant wholesalers, durable goods	1,092	1,240	148	13.6%
Merchant wholesalers, nondurable goods	347	343	-4	-1.2%
Electronic markets and agents and brokers	128	151	23	18.0%
<b>Retail Trade</b>	<b>11,354</b>	<b>12,113</b>	<b>759</b>	<b>6.7%</b>
Motor vehicle and parts dealers	1,280	1,440	160	12.5%
Furniture and home furnishings stores	175	190	15	8.6%
Electronics and appliance stores	124	144	20	16.1%
Building material and garden supply stores	880	973	93	10.6%
Food and beverage stores	2,920	3,144	224	7.7%
Health and personal care stores	427	427	0	0.0%
Gasoline stations	1,083	1,139	56	5.2%
Clothing and clothing accessories stores	332	298	-34	-10.2%
Sporting goods, hobby, book and music stores	311	325	14	4.5%
General merchandise stores	2,026	2,050	24	1.2%
Miscellaneous store retailers	670	744	74	11.0%
Nonstore retailers	1,126	1,239	113	10.0%
<b>Transportation and Warehousing</b>	<b>1,755</b>	<b>1,827</b>	<b>72</b>	<b>4.1%</b>
Air transportation	ND	ND	ND	ND
Rail transportation	ND	ND	ND	ND
Water transportation	ND	ND	ND	ND
Truck transportation	710	693	-17	-2.4%
Transit and ground passenger transportation	208	243	35	16.8%
Pipeline transportation	ND	ND	ND	ND
Scenic and sightseeing transportation	ND	ND	ND	ND
Support activities for transportation	200	227	27	13.5%
Couriers and messengers	267	283	16	6.0%
Warehousing and storage	360	372	12	3.3%
<b>Utilities</b>	<b>366</b>	<b>314</b>	<b>-52</b>	<b>-14.2%</b>
<b>Information</b>	<b>1,002</b>	<b>992</b>	<b>-10</b>	<b>-1.0%</b>
Publishing industries, except Internet	348	375	27	7.8%
Motion picture and sound recording industries	41	54	13	31.7%
Broadcasting, except Internet	181	172	-9	-5.0%
Internet publishing and broadcasting	ND	ND	ND	ND
Telecommunications	257	225	-32	-12.5%
ISPs, search portals, and data processing	146	138	-8	-5.5%
Other Information Services	ND	ND	ND	ND
<b>Financial Activities</b>	<b>4,051</b>	<b>4,139</b>	<b>88</b>	<b>2.2%</b>

## Employment by Industry in Western Maine, 2002 and Projected 2012

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
<b>Finance and Insurance</b>	<b>3,333</b>	<b>3,340</b>	<b>7</b>	<b>0.2%</b>
Credit intermediation and related activities	2,446	2,449	3	0.1%
Securities, commodity contracts, investments	ND	ND	ND	ND
Insurance carriers and related activities	816	798	-18	-2.2%
Funds, trusts, and other financial vehicles	ND	ND	ND	ND
<b>Real Estate and Rental and Leasing</b>	<b>718</b>	<b>799</b>	<b>81</b>	<b>11.3%</b>
Real estate	476	523	47	9.9%
Rental and leasing services	242	276	34	14.0%
<b>Professional and Business Services</b>	<b>6,906</b>	<b>7,532</b>	<b>626</b>	<b>9.1%</b>
Professional and technical services	2,740	2,932	192	7.0%
Management of companies and enterprises	443	419	-24	-5.4%
Administrative and support services	3,529	3,988	459	13.0%
Waste management and remediation services	194	193	-1	-0.5%
<b>Education and Health Services</b>	<b>13,120</b>	<b>16,227</b>	<b>3,107</b>	<b>23.7%</b>
Educational services	1,565	1,830	265	16.9%
<b>Health Care and Social Assistance</b>	<b>11,555</b>	<b>14,397</b>	<b>2,842</b>	<b>24.6%</b>
Ambulatory health care services	3,276	4,114	838	25.6%
Hospitals	3,086	3,561	475	15.4%
Nursing and residential care facilities	3,669	4,586	917	25.0%
Social assistance	1,524	2,136	612	40.2%
<b>Leisure and Hospitality</b>	<b>7,221</b>	<b>8,359</b>	<b>1,138</b>	<b>15.8%</b>
<b>Arts, Entertainment, and Recreation</b>	<b>1,646</b>	<b>2,149</b>	<b>503</b>	<b>30.6%</b>
Performing arts and spectator sports	ND	ND	ND	ND
Museums, historical sites, zoos, and parks	ND	ND	ND	ND
Amusements, gambling, and recreation	1,486	1,972	486	32.7%
<b>Accommodation and Food Services</b>	<b>5,575</b>	<b>6,210</b>	<b>635</b>	<b>11.4%</b>
Accommodation	1,094	1,243	149	13.6%
Food services and drinking places	4,481	4,967	486	10.8%
<b>Other Services</b>	<b>2,000</b>	<b>2,255</b>	<b>255</b>	<b>12.8%</b>
Repair and maintenance	705	820	115	16.3%
Personal and laundry services	426	454	28	6.6%
Membership associations and organizations	752	865	113	15.0%
Private households	117	116	-1	-0.9%
<b>Government</b>	<b>10,803</b>	<b>11,158</b>	<b>355</b>	<b>3.3%</b>
Federal	622	618	-4	-0.6%
State	1,348	1,326	-22	-1.6%
Local	8,833	9,214	381	4.3%

ND: Not Discloseable.

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

Industries Expected to Gain Jobs		Industries Expected to Lose Jobs	
Nursing and residential care facilities	917	Paper manufacturing	-687
Ambulatory health care services	838	Wood product manufacturing	-310
Social assistance	612	Leather and allied product manufacturing	-294
Amusements, gambling, and recreation	486	Textile mills	-255
Food services and drinking places	486	Plastics and rubber products manufacturing	-232
Hospitals	475	Furniture and related product manufacturing	-82
Administrative and support services	459	Fabricated metal product manufacturing	-80
Local	381	Printing and related support activities	-59
Educational services	265	Primary metal manufacturing	-45
Food and beverage stores	224	Specialty trade contractors	-42
Professional and technical services	192	Clothing and clothing accessories stores	-34
Motor vehicle and parts dealers	160	Telecommunications	-32
Accommodation	149	Construction of buildings	-26
Merchant wholesalers, durable goods	148	Management of companies and enterprises	-24
Repair and maintenance	115	State	-22
Membership associations and organizations	113	Forestry and logging	-19
Nonstore retailers	113	Insurance carriers and related activities	-18
Building material and garden supply stores	93	Miscellaneous manufacturing	-18
Miscellaneous store retailers	74	Truck transportation	-17
Gasoline stations	56	Agriculture and forestry support activities	-14
Real estate	47	Electrical equipment and appliance mfg.	-13
Transit and ground passenger transportation	35	Food manufacturing	-12
Rental and leasing services	34	Machinery manufacturing	-10
Personal and laundry services	28	Broadcasting, except Internet	-9
Publishing industries, except Internet	27	Computer and electronic product manufacturing	-9
Support activities for transportation	27	Nonmetallic mineral product manufacturing	-9
General merchandise stores	24	ISPs, search portals, and data processing	-8
Electronic markets and agents and brokers	23	Textile product mills	-7
Electronics and appliance stores	20	Federal	-4
Couriers and messengers	16	Merchant wholesalers, nondurable goods	-4
Animal production	15	Private households	-1
Furniture and home furnishings stores	15	Waste management and remediation services	-1
Crop production	14		
Sporting goods, hobby, book and music stores	14		
Motion picture and sound recording industries	13		
Heavy and civil engineering construction	12		
Warehousing and storage	12		
Beverage and tobacco product manufacturing	11		
Credit intermediation and related activities	3		

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

Industries Expected to Gain Jobs		Industries Expected to Lose Jobs	
Social assistance	40.2%	Merchant wholesalers, nondurable goods	-43.7%
Amusements, gambling, and recreation	32.7%	Federal	-31.4%
Motion picture and sound recording industries	31.7%	Textile product mills	-22.5%
Ambulatory health care services	25.6%	Waste management and remediation services	-19.7%
Nursing and residential care facilities	25.0%	ISPs, search portals, and data processing	-16.5%
Electronic markets and agents and brokers	18.0%	Construction of buildings	-15.4%
Educational services	16.9%	Private households	-15.2%
Transit and ground passenger transportation	16.8%	Broadcasting, except Internet	-12.6%
Repair and maintenance	16.3%	Plastics and rubber products manufacturing	-12.5%
Electronics and appliance stores	16.1%	Electrical equipment and appliance mfg.	-12.5%
Hospitals	15.4%	Food manufacturing	-10.2%
Membership associations and organizations	15.0%	Nonmetallic mineral product manufacturing	-9.7%
Rental and leasing services	14.0%	Forestry and logging	-9.3%
Animal production	13.6%	Computer and electronic product manufacturing	-8.0%
Accommodation	13.6%	Specialty trade contractors	-7.0%
Merchant wholesalers, durable goods	13.6%	Printing and related support activities	-6.8%
Support activities for transportation	13.5%	Telecommunications	-5.7%
Administrative and support services	13.0%	Furniture and related product manufacturing	-5.5%
Motor vehicle and parts dealers	12.5%	Truck transportation	-5.4%
Miscellaneous store retailers	11.0%	Fabricated metal product manufacturing	-5.0%
Food services and drinking places	10.8%	Insurance carriers and related activities	-4.8%
Building material and garden supply stores	10.6%	Primary metal manufacturing	-3.2%
Nonstore retailers	10.0%	Clothing and clothing accessories stores	-2.5%
Real estate	9.9%	Management of companies and enterprises	-2.4%
Furniture and home furnishings stores	8.6%	State	-2.2%
Publishing industries, except Internet	7.8%	Agriculture and forestry support activities	-2.2%
Food and beverage stores	7.7%	Machinery manufacturing	-1.6%
Professional and technical services	7.0%	Miscellaneous manufacturing	-1.6%
Heavy and civil engineering construction	6.7%	Textile mills	-1.2%
Personal and laundry services	6.6%	Paper manufacturing	-0.9%
Couriers and messengers	6.0%	Leather and allied product manufacturing	-0.6%
Crop production	5.6%	Wood product manufacturing	-0.5%
Gasoline stations	5.2%		
Sporting goods, hobby, book and music stores	4.5%		
Local	4.3%		
Beverage and tobacco product manufacturing	3.8%		
Warehousing and storage	3.3%		
General merchandise stores	1.2%		
Credit intermediation and related activities	0.1%		





**Occupational Employment  
2002 and Projected 2012**



## Employment by Occupational Group in Western 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>	85,820	90,978	5,158	6.0%	804	2,037	2,841
Management, Business and Financial Occupations	7,903	8,733	830	10.5%	87	141	228
Management Occupations	5,493	5,993	500	9.1%	54	97	151
Business and Financial Operations Occupations	2,410	2,740	330	13.7%	33	44	77
Professional and Related Occupations	15,839	18,167	2,328	14.7%	249	311	560
Computer and Mathematical Occupations	612	692	80	13.1%	8	8	16
Architecture and Engineering Occupations	727	690	-37	-5.1%	2	17	19
Life, Physical, and Social Science Occupations	391	454	63	16.1%	7	9	16
Community and Social Services Occupations	1,983	2,587	604	30.5%	61	38	99
Legal Occupations	453	491	38	8.4%	4	5	9
Education, Training, and Library Occupations	6,237	6,654	417	6.7%	49	133	182
Arts, Design, Entertainment, Sports, and Media Occupations	1,168	1,334	166	14.2%	18	22	40
Healthcare Practitioners and Technical Occupations	4,268	5,265	997	23.4%	100	79	179
Service Occupations	16,420	18,932	2,512	15.3%	254	462	716
Healthcare Support Occupations	2,719	3,352	633	23.3%	63	40	103
Protective Service Occupations	1,170	1,386	216	18.5%	22	32	54
Food Preparation and Serving Related Occupations	6,695	7,342	647	9.7%	67	263	330
Building and Grounds Cleaning and Maintenance Occupations	3,174	3,528	354	11.2%	36	64	100
Personal Care and Service Occupations	2,662	3,324	662	24.9%	66	63	129
Sales and Related Occupations	8,878	9,741	863	9.7%	90	288	378
Office and Administrative Support Occupations	12,816	12,701	-115	-0.9%	48	302	350
Farming, Fishing, and Forestry Occupations	899	936	37	4.1%	6	20	26
Construction and Extraction Occupations	4,722	4,685	-37	-0.8%	5	91	96
Installation, Maintenance, and Repair Occupations	3,782	4,001	219	5.8%	34	87	121
Production Occupations	8,627	7,099	-1,528	-17.7%	5	204	209
Transportation and Material Moving Occupations	5,934	5,983	49	0.8%	25	130	155

*Details may not add to totals due to rounding.*

### Employment by Education/Training Requirement in Western 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>	85,820	90,978	100.0%	100.0%	5,158	6.0%	804	2,037	2,841
First Professional degree	1,258	1,429	1.5%	1.6%	171	13.6%	18	21	39
Doctoral degree	407	517	0.5%	0.6%	110	27.0%	8	6	14
Master's degree	1,464	1,770	1.7%	1.9%	306	20.9%	32	32	64
Bachelor's degree plus work experience	4,029	4,482	4.7%	4.9%	453	11.2%	45	72	117
Bachelor's degree	8,744	9,549	10.2%	10.5%	805	9.2%	94	175	269
Associate degree	2,820	3,444	3.3%	3.8%	624	22.1%	62	56	118
Postsecondary vocational award	3,321	3,718	3.9%	4.1%	397	12.0%	44	72	116
Work experience in a related occupation	6,078	6,510	7.1%	7.2%	432	7.1%	51	122	173
Long-term on-the-job training	7,047	7,054	8.2%	7.8%	7	0.1%	38	144	182
Moderate-term on-the-job training	18,861	18,553	22.0%	20.4%	-308	-1.6%	120	391	511
Short-term on-the-job training	31,791	33,952	37.0%	37.3%	2,161	6.8%	291	941	1,232

*Details may not add to totals due to rounding.*

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

SOC Code	Occupation	Average Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Growth	Replacement	Total	
41-2011	Cashiers	2,342	2,625	28	114	142	Short-term on-the-job training
41-2031	Retail Salespersons	2,265	2,448	18	82	100	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,426	1,674	25	62	87	Short-term on-the-job training
29-1111	Registered Nurses	1,651	2,041	39	35	74	Associate degree
35-3031	Waiters and Waitresses	1,100	1,228	13	57	70	Short-term on-the-job training
11-1021	General and Operations Managers	1,535	1,699	16	29	45	Bachelor's degree plus work experience
35-2021	Food Preparation Workers	844	954	11	30	41	Short-term on-the-job training
21-1093	Social and Human Service Assistants	482	767	29	9	38	Moderate-term on-the-job training
39-9011	Child Care Workers	861	1,005	14	23	37	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,137	1,297	16	20	36	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,355	1,450	10	26	36	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,107	1,008	0	36	36	Short-term on-the-job training
43-3071	Tellers	657	689	3	32	35	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,406	1,567	16	18	34	Short-term on-the-job training
43-9061	Office Clerks, General	1,497	1,487	0	33	33	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	876	804	0	32	32	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,390	1,469	8	23	31	Moderate-term on-the-job training
39-9021	Personal and Home Care Aides	491	707	22	8	30	Short-term on-the-job training
25-9041	Teacher Assistants	1,245	1,300	6	24	30	Short-term on-the-job training
31-1011	Home Health Aides	642	853	21	8	29	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	664	808	14	15	29	Short-term on-the-job training
43-4051	Customer Service Representatives	910	1,047	14	14	28	Moderate-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	989	992	0	28	28	Bachelor's degree
37-2012	Maids and Housekeeping Cleaners	853	938	9	18	27	Short-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	620	702	8	17	25	Postsecondary vocational award
43-6014	Secretaries, Except Legal, Medical, and Executive	1,300	1,169	0	25	25	Moderate-term on-the-job training
13-2011	Accountants and Auditors	676	781	11	13	24	Bachelor's degree
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,284	1,249	0	24	24	Moderate-term on-the-job training
47-2031	Carpenters	1,353	1,362	1	22	23	Long-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	291	330	4	19	23	Short-term on-the-job training
25-2021	Elementary School Teachers, Except Special Education	1,027	1,003	0	23	23	Bachelor's degree
43-4171	Receptionists and Information Clerks	509	608	10	13	23	Short-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	667	711	4	18	22	Moderate-term on-the-job training
49-9042	Maintenance and Repair Workers, General	783	822	4	15	19	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	408	445	4	13	17	Long-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	802	806	0	17	17	Work experience in a related occupation
31-9092	Medical Assistants	203	323	12	4	16	Moderate-term on-the-job training
51-2092	Team Assemblers	567	422	0	15	15	Moderate-term on-the-job training
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	438	476	4	10	14	Work experience in a related occupation

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

SOC Code	Occupation	Average Employment		Net Growth	Education/Training Requirement
		2002	2012		
29-1111	Registered Nurses	1,651	2,041	390	Associate degree
21-1093	Social and Human Service Assistants	482	767	285	Moderate-term on-the-job training
41-2011	Cashiers	2,342	2,625	283	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,426	1,674	248	Short-term on-the-job training
39-9021	Personal and Home Care Aides	491	707	216	Short-term on-the-job training
31-1011	Home Health Aides	642	853	211	Short-term on-the-job training
41-2031	Retail Salespersons	2,265	2,448	183	Short-term on-the-job training
11-1021	General and Operations Managers	1,535	1,699	164	Bachelor's degree plus work experience
31-1012	Nursing Aides, Orderlies, and Attendants	1,406	1,567	161	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,137	1,297	160	Work experience in a related occupation
39-9011	Child Care Workers	861	1,005	144	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	664	808	144	Short-term on-the-job training
43-4051	Customer Service Representatives	910	1,047	137	Moderate-term on-the-job training
35-3031	Waiters and Waitresses	1,100	1,228	128	Short-term on-the-job training
31-9092	Medical Assistants	203	323	120	Moderate-term on-the-job training
35-2021	Food Preparation Workers	844	954	110	Short-term on-the-job training
13-2011	Accountants and Auditors	676	781	105	Bachelor's degree
43-4171	Receptionists and Information Clerks	509	608	99	Short-term on-the-job training
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,355	1,450	95	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	853	938	85	Short-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	620	702	82	Postsecondary vocational award
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,390	1,469	79	Moderate-term on-the-job training
21-1023	Mental Health and Substance Abuse Social Workers	172	247	75	Master's degree
33-3051	Police and Sheriff's Patrol Officers	239	311	72	Long-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	630	695	65	Short-term on-the-job training
25-3021	Self-Enrichment Education Teachers	117	181	64	Work experience in a related occupation
33-2011	Fire Fighters	217	279	62	Long-term on-the-job training
29-2071	Medical Records and Health Information Technicians	109	166	57	Associate degree
39-3091	Amusement and Recreation Attendants	159	215	56	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	123	178	55	Postsecondary vocational award
25-9041	Teacher Assistants	1,245	1,300	55	Short-term on-the-job training
21-1015	Rehabilitation Counselors	156	207	51	Master's degree
11-9111	Medical and Health Services Managers	180	230	50	Bachelor's degree plus work experience
21-1021	Child, Family, and School Social Workers	208	257	49	Bachelor's degree
41-2021	Counter and Rental Clerks	202	247	45	Short-term on-the-job training
11-9151	Social and Community Service Managers	155	200	45	Bachelor's degree
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	667	711	44	Moderate-term on-the-job training
43-3011	Bill and Account Collectors	297	338	41	Short-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	270	310	40	Long-term on-the-job training
29-1123	Physical Therapists	137	177	40	Master's degree

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

SOC Code	Occupation	Average Employment		Growth Rate	Education/Training Requirement
		2002	2012		
21-1093	Social and Human Service Assistants	482	767	59.1%	Moderate-term on-the-job training
31-9092	Medical Assistants	203	323	59.1%	Moderate-term on-the-job training
25-3021	Self-Enrichment Education Teachers	117	181	54.7%	Work experience in a related occupation
29-2071	Medical Records and Health Information Technicians	109	166	52.3%	Associate degree
29-1071	Physician Assistants	74	111	50.0%	Bachelor's degree
39-9031	Fitness Trainers and Aerobics Instructors	123	178	44.7%	Postsecondary vocational award
27-1026	Merchandise Displayers and Window Trimmers	61	88	44.3%	Moderate-term on-the-job training
39-9021	Personal and Home Care Aides	491	707	44.0%	Short-term on-the-job training
21-1023	Mental Health and Substance Abuse Social Workers	172	247	43.6%	Master's degree
49-3051	Motorboat Mechanics	83	115	38.6%	Long-term on-the-job training
29-1126	Respiratory Therapists	50	68	36.0%	Associate degree
39-3091	Amusement and Recreation Attendants	159	215	35.2%	Short-term on-the-job training
39-1021	First-Line Supervisors/Managers of Personal Service Workers	95	128	34.7%	Work experience in a related occupation
39-9041	Residential Advisors	77	103	33.8%	Moderate-term on-the-job training
31-1011	Home Health Aides	642	853	32.9%	Short-term on-the-job training
21-1015	Rehabilitation Counselors	156	207	32.7%	Master's degree
27-3031	Public Relations Specialists	54	71	31.5%	Bachelor's degree
43-4111	Interviewers, Except Eligibility and Loan	66	86	30.3%	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	239	311	30.1%	Long-term on-the-job training
11-2011	Advertising and Promotions Managers	57	74	29.8%	Bachelor's degree plus work experience
29-1123	Physical Therapists	137	177	29.2%	Master's degree
11-9151	Social and Community Service Managers	155	200	29.0%	Bachelor's degree
33-2011	Fire Fighters	217	279	28.6%	Long-term on-the-job training
19-3031	Clinical, Counseling, and School Psychologists	106	136	28.3%	Doctoral degree
21-1022	Medical and Public Health Social Workers	97	124	27.8%	Bachelor's degree
11-9111	Medical and Health Services Managers	180	230	27.8%	Bachelor's degree plus work experience
29-1122	Occupational Therapists	76	97	27.6%	Bachelor's degree
29-2021	Dental Hygienists	127	162	27.6%	Associate degree
31-9091	Dental Assistants	121	154	27.3%	Moderate-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	69	87	26.1%	Short-term on-the-job training
29-2052	Pharmacy Technicians	126	158	25.4%	Moderate-term on-the-job training
29-2011	Medical and Clinical Laboratory Technologists	83	104	25.3%	Bachelor's degree
31-9094	Medical Transcriptionists	97	121	24.7%	Postsecondary vocational award
29-1051	Pharmacists	112	139	24.1%	First Professional degree
29-1111	Registered Nurses	1,651	2,041	23.6%	Associate degree
21-1021	Child, Family, and School Social Workers	208	257	23.6%	Bachelor's degree
39-9032	Recreation Workers	141	174	23.4%	Bachelor's degree
41-9011	Demonstrators and Product Promoters	120	148	23.3%	Moderate-term on-the-job training
25-1191	Graduate Teaching Assistants	94	115	22.3%	Bachelor's degree
41-2021	Counter and Rental Clerks	202	247	22.3%	Short-term on-the-job training

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



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

SOC Code	Occupation	Average Employment		Net Decline	Education/Training Requirement
		2002	2012		
51-2092	Team Assemblers	567	422	-145	Moderate-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	1,300	1,169	-131	Moderate-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,107	1,008	-99	Short-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	361	262	-99	Moderate-term on-the-job training
51-6031	Sewing Machine Operators	234	161	-73	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	876	804	-72	Short-term on-the-job training
51-6042	Shoe Machine Operators and Tenders	112	44	-68	Moderate-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	578	512	-66	Work experience in a related occupation
43-9022	Word Processors and Typists	124	66	-58	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	323	267	-56	Short-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	307	251	-56	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	225	171	-54	Moderate-term on-the-job training
51-6051	Sewers, Hand	104	52	-52	Short-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	302	252	-50	Moderate-term on-the-job training
25-2022	Middle School Teachers, Except Special and Vocational Education	584	540	-44	Bachelor's degree
43-5071	Shipping, Receiving, and Traffic Clerks	499	455	-44	Short-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	89	46	-43	Long-term on-the-job training
49-9044	Millwrights	173	132	-41	Long-term on-the-job training
51-4041	Machinists	364	324	-40	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	220	182	-38	Long-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	197	159	-38	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	311	273	-38	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	457	420	-37	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	230	193	-37	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,284	1,249	-35	Moderate-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	174	139	-35	Moderate-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	106	71	-35	Long-term on-the-job training
43-9021	Data Entry Keyers	162	131	-31	Moderate-term on-the-job training
43-5052	Postal Service Mail Carriers	214	184	-30	Short-term on-the-job training
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	130	102	-28	Moderate-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	85	60	-25	Moderate-term on-the-job training
25-2021	Elementary School Teachers, Except Special Education	1,027	1,003	-24	Bachelor's degree
43-4131	Loan Interviewers and Clerks	105	81	-24	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	347	324	-23	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	103	80	-23	Moderate-term on-the-job training
41-9041	Telemarketers	676	653	-23	Short-term on-the-job training
43-9011	Computer Operators	84	63	-21	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	160	139	-21	Long-term on-the-job training
51-5011	Bindery Workers	115	95	-20	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	273	253	-20	Long-term on-the-job training

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

SOC Code	Occupation	Average Employment		Rate of Decline	Education/Training Requirement
		2002	2012		
51-6042	Shoe Machine Operators and Tenders	112	44	-60.7%	Moderate-term on-the-job training
51-6051	Sewers, Hand	104	52	-50.0%	Short-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	89	46	-48.3%	Long-term on-the-job training
43-9022	Word Processors and Typists	124	66	-46.8%	Moderate-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	106	71	-33.0%	Long-term on-the-job training
51-6031	Sewing Machine Operators	234	161	-31.2%	Moderate-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	85	60	-29.4%	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	361	262	-27.4%	Moderate-term on-the-job training
51-2092	Team Assemblers	567	422	-25.6%	Moderate-term on-the-job training
43-9011	Computer Operators	84	63	-25.0%	Moderate-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	75	57	-24.0%	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	225	171	-24.0%	Moderate-term on-the-job training
49-9044	Millwrights	173	132	-23.7%	Long-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	69	53	-23.2%	Short-term on-the-job training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	65	50	-23.1%	Postsecondary vocational award
43-4131	Loan Interviewers and Clerks	105	81	-22.9%	Short-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	103	80	-22.3%	Moderate-term on-the-job training
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	130	102	-21.5%	Moderate-term on-the-job training
51-5022	Prepress Technicians and Workers	86	68	-20.9%	Long-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	58	46	-20.7%	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	92	73	-20.7%	Moderate-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	174	139	-20.1%	Moderate-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	61	49	-19.7%	Short-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	98	79	-19.4%	Long-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	197	159	-19.3%	Moderate-term on-the-job training
43-9021	Data Entry Keyers	162	131	-19.1%	Moderate-term on-the-job training
53-7011	Conveyor Operators and Tenders	93	76	-18.3%	Short-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	307	251	-18.2%	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	102	84	-17.6%	Short-term on-the-job training
51-5011	Bindery Workers	115	95	-17.4%	Short-term on-the-job training
51-9198	Helpers--Production Workers	323	267	-17.3%	Short-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	220	182	-17.3%	Long-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	302	252	-16.6%	Moderate-term on-the-job training
53-7063	Machine Feeders and Offbearers	230	193	-16.1%	Short-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	60	51	-15.0%	Moderate-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	54	46	-14.8%	Short-term on-the-job training
43-5051	Postal Service Clerks	103	88	-14.6%	Short-term on-the-job training
11-9131	Postmasters and Mail Superintendents	83	71	-14.5%	Work experience in a related occupation
43-5052	Postal Service Mail Carriers	214	184	-14.0%	Short-term on-the-job training
17-2112	Industrial Engineers	88	76	-13.6%	Bachelor's degree

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

**Employment and Job Openings for All Occupations in Western 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	
	<b>Total, All Occupations</b>	<b>85,820</b>	<b>90,978</b>	<b>5,158</b>	<b>6.0%</b>	<b>804</b>	<b>2,037</b>	<b>2,841</b>	<b>NA</b>
<b>11-0000</b>	<b>Management Occupations</b>	<b>5,493</b>	<b>5,993</b>	<b>500</b>	<b>9.1%</b>	<b>54</b>	<b>97</b>	<b>151</b>	<b>NA</b>
11-1011	Chief Executives	341	364	23	6.7%	2	6	8	Bachelor's degree plus work experience
11-1021	General and Operations Managers	1,535	1,699	164	10.7%	16	29	45	Bachelor's degree plus work experience
11-1031	Legislators	48	52	4	8.3%	0	1	1	Bachelor's degree plus work experience
11-2011	Advertising and Promotions Managers	57	74	17	29.8%	2	1	3	Bachelor's degree plus work experience
11-2021	Marketing Managers	116	139	23	19.8%	2	2	4	Bachelor's degree plus work experience
11-2022	Sales Managers	160	177	17	10.6%	2	3	5	Bachelor's degree plus work experience
11-2031	Public Relations Managers	38	46	8	21.1%	1	1	2	Bachelor's degree plus work experience
11-3011	Administrative Services Managers	120	131	11	9.2%	1	2	3	Bachelor's degree plus work experience
11-3021	Computer and Information Systems Managers	119	143	24	20.2%	2	2	4	Bachelor's degree plus work experience
11-3031	Financial Managers	365	404	39	10.7%	4	5	9	Bachelor's degree plus work experience
11-3040	Human Resources Managers	100	108	8	8.0%	1	2	3	Bachelor's degree plus work experience
11-3051	Industrial Production Managers	147	130	-17	-11.6%	0	3	3	Bachelor's degree
11-3061	Purchasing Managers	57	54	-3	-5.3%	0	1	1	Bachelor's degree plus work experience
11-3071	Transportation, Storage, and Distribution Managers	60	64	4	6.7%	0	1	1	Work experience in a related occupation
11-9011	Farm, Ranch, and Other Agricultural Managers	78	93	15	19.2%	2	1	3	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	467	460	-7	-1.5%	0	3	3	Long-term on-the-job training
11-9021	Construction Managers	217	221	4	1.8%	0	4	4	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	18	21	3	16.7%	0	0	0	Bachelor's degree plus work experience
11-9032	Education Administrators, Elementary and Secondary School	212	220	8	3.8%	1	5	6	Bachelor's degree plus work experience
11-9033	Education Administrators, Postsecondary	58	65	7	12.1%	1	1	2	Bachelor's degree plus work experience
11-9039	Education Administrators, All Other	14	15	1	7.1%	0	0	0	Bachelor's degree plus work experience
11-9041	Engineering Managers	68	64	-4	-5.9%	0	1	1	Bachelor's degree plus work experience
11-9051	Food Service Managers	261	281	20	7.7%	2	4	6	Work experience in a related occupation
11-9061	Funeral Directors	39	45	6	15.4%	1	1	2	Associate degree
11-9081	Lodging Managers	58	58	0	0.0%	0	1	1	Work experience in a related occupation
11-9111	Medical and Health Services Managers	180	230	50	27.8%	5	4	9	Bachelor's degree plus work experience
11-9121	Natural Sciences Managers	14	15	1	7.1%	0	0	0	Bachelor's degree plus work experience
11-9131	Postmasters and Mail Superintendents	83	71	-12	-14.5%	0	2	2	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	88	100	12	13.6%	1	2	3	Bachelor's degree

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

SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
11-9151	Social and Community Service Managers	155	200	45	29.0%	5	3	8	Bachelor's degree
11-9199	Managers, All Other	220	249	29	13.2%	3	4	7	Work experience in a related occupation
<b>13-0000</b>	<b>Business and Financial Operations Occupations</b>	<b>2,410</b>	<b>2,740</b>	<b>330</b>	<b>13.7%</b>	<b>33</b>	<b>44</b>	<b>77</b>	<b>NA</b>
13-1022	Wholesale and Retail Buyers, Except Farm Products	117	118	1	0.9%	0	3	3	Work experience in a related occupation
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	99	109	10	10.1%	1	3	4	Work experience in a related occupation
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	50	57	7	14.0%	1	1	2	Long-term on-the-job training
13-1051	Cost Estimators	81	82	1	1.2%	0	2	2	Work experience in a related occupation
13-1071	Employment, Recruitment, and Placement Specialists	58	63	5	8.6%	1	1	2	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	47	53	6	12.8%	1	1	2	Bachelor's degree
13-1073	Training and Development Specialists	109	125	16	14.7%	2	2	4	Bachelor's degree
13-1111	Management Analysts	159	193	34	21.4%	3	2	5	Bachelor's degree plus work experience
13-1199	Business Operations Specialists, All Other	328	413	85	25.9%	9	6	15	Bachelor's degree
13-2011	Accountants and Auditors	676	781	105	15.5%	11	13	24	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	44	51	7	15.9%	1	1	2	Postsecondary vocational award
13-2031	Budget Analysts	23	29	6	26.1%	1	0	1	Bachelor's degree
13-2051	Financial Analysts	49	56	7	14.3%	1	1	2	Bachelor's degree
13-2052	Personal Financial Advisors	42	53	11	26.2%	1	1	2	Bachelor's degree
13-2053	Insurance Underwriters	34	33	-1	-2.9%	0	1	1	Bachelor's degree
13-2071	Loan Counselors	12	12	0	0.0%	0	0	0	Bachelor's degree
13-2072	Loan Officers	156	167	11	7.1%	1	3	4	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	24	27	3	12.5%	0	1	1	Bachelor's degree
13-2082	Tax Preparers	93	99	6	6.5%	1	2	3	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	53	57	4	7.5%	0	1	1	Bachelor's degree
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>612</b>	<b>692</b>	<b>80</b>	<b>13.1%</b>	<b>8</b>	<b>8</b>	<b>16</b>	<b>NA</b>
15-1021	Computer Programmers	87	86	-1	-1.1%	0	2	2	Bachelor's degree
15-1031	Computer Software Engineers, Applications	79	90	11	13.9%	1	1	2	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	32	33	1	3.1%	0	0	0	Bachelor's degree
15-1041	Computer Support Specialists	137	151	14	10.2%	1	2	3	Associate degree
15-1051	Computer Systems Analysts	105	121	16	15.2%	2	1	3	Bachelor's degree
15-1061	Database Administrators	28	33	5	17.9%	1	0	1	Bachelor's degree
15-1071	Network and Computer Systems Administrators	76	92	16	21.1%	2	1	3	Bachelor's degree

**Employment and Job Openings for All Occupations in Western 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	Replace-ment	Total	
15-1081	Network Systems and Data Communications Analysts	30	46	16	53.3%	2	0	2	Bachelor's degree
15-1099	Computer Specialists, All Other	22	25	3	13.6%	0	0	0	Associate degree
<b>17-0000</b>	<b>Architecture and Engineering Occupations</b>	<b>727</b>	<b>690</b>	<b>-37</b>	<b>-5.1%</b>	<b>2</b>	<b>17</b>	<b>19</b>	<b>NA</b>
17-1011	Architects, Except Landscape and Naval	30	34	4	13.3%	0	0	0	Bachelor's degree
17-1022	Surveyors	17	16	-1	-5.9%	0	1	1	Bachelor's degree
17-2041	Chemical Engineers	25	21	-4	-16.0%	0	1	1	Bachelor's degree
17-2051	Civil Engineers	76	72	-4	-5.3%	0	1	1	Bachelor's degree
17-2071	Electrical Engineers	40	36	-4	-10.0%	0	1	1	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	18	22	4	22.2%	0	0	0	Bachelor's degree
17-2081	Environmental Engineers	20	22	2	10.0%	0	0	0	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	15	14	-1	-6.7%	0	0	0	Bachelor's degree
17-2112	Industrial Engineers	88	76	-12	-13.6%	0	2	2	Bachelor's degree
17-2141	Mechanical Engineers	84	80	-4	-4.8%	0	2	2	Bachelor's degree
17-2199	Engineers, All Other	16	16	0	0.0%	0	0	0	Bachelor's degree
17-3011	Architectural and Civil Drafters	54	47	-7	-13.0%	0	2	2	Postsecondary vocational award
17-3013	Mechanical Drafters	34	28	-6	-17.6%	0	1	1	Postsecondary vocational award
17-3022	Civil Engineering Technicians	30	30	0	0.0%	0	1	1	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	43	44	1	2.3%	0	1	1	Associate degree
17-3026	Industrial Engineering Technicians	34	25	-9	-26.5%	0	1	1	Associate degree
17-3031	Surveying and Mapping Technicians	22	25	3	13.6%	0	1	1	Moderate-term on-the-job training
17-3099	Drafters, Engineering, and Mapping Technicians, All Other	27	24	-3	-11.1%	0	1	1	Associate degree
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>391</b>	<b>454</b>	<b>63</b>	<b>16.1%</b>	<b>7</b>	<b>9</b>	<b>16</b>	<b>NA</b>
19-1010	Agricultural and Food Scientists	12	14	2	16.7%	0	0	0	Bachelor's degree
19-1031	Conservation Scientists	16	16	0	0.0%	0	1	1	Bachelor's degree
19-1032	Foresters	24	27	3	12.5%	0	1	1	Bachelor's degree
19-2031	Chemists	11	10	-1	-9.1%	0	0	0	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	45	51	6	13.3%	1	1	2	Master's degree
19-3021	Market Research Analysts	24	25	1	4.2%	0	1	1	Master's degree
19-3031	Clinical, Counseling, and School Psychologists	106	136	30	28.3%	3	2	5	Doctoral degree
19-3051	Urban and Regional Planners	10	11	1	10.0%	0	0	0	Master's degree
19-3099	Social Scientists and Related Workers, All Other	11	12	1	9.1%	0	0	0	Master'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	
19-4021	Biological Technicians	20	22	2	10.0%	0	0	0	Associate degree
19-4031	Chemical Technicians	11	9	-2	-18.2%	0	0	0	Associate degree
19-4091	Environmental Science and Protection Technicians, Including Health	20	24	4	20.0%	0	1	1	Associate degree
19-4099	Life, Physical, and Social Science Technicians, All Other	12	14	2	16.7%	0	0	0	Associate degree
<b>21-0000</b>	<b>Community and Social Services Occupations</b>	<b>1,983</b>	<b>2,587</b>	<b>604</b>	<b>30.5%</b>	<b>61</b>	<b>38</b>	<b>99</b>	<b>NA</b>
21-1011	Substance Abuse and Behavioral Disorder Counselors	68	79	11	16.2%	1	2	3	Master's degree
21-1012	Educational, Vocational, and School Counselors	160	158	-2	-1.3%	0	4	4	Master's degree
21-1014	Mental Health Counselors	131	160	29	22.1%	3	3	6	Master's degree
21-1015	Rehabilitation Counselors	156	207	51	32.7%	5	4	9	Master's degree
21-1021	Child, Family, and School Social Workers	208	257	49	23.6%	5	4	9	Bachelor's degree
21-1022	Medical and Public Health Social Workers	97	124	27	27.8%	3	2	5	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	172	247	75	43.6%	8	3	11	Master's degree
21-1091	Health Educators	41	48	7	17.1%	1	1	2	Master's degree
21-1092	Probation Officers and Correctional Treatment Specialists	24	25	1	4.2%	0	0	0	Bachelor's degree
21-1093	Social and Human Service Assistants	482	767	285	59.1%	29	9	38	Moderate-term on-the-job training
21-2011	Clergy	295	321	26	8.8%	3	6	9	First Professional degree
21-2021	Directors, Religious Activities and Education	31	36	5	16.1%	1	0	1	Bachelor's degree
21-9099	Counselors, Social, and Religious Workers, All Other	110	148	38	34.5%	4	2	6	Bachelor's degree
<b>23-0000</b>	<b>Legal Occupations</b>	<b>453</b>	<b>491</b>	<b>38</b>	<b>8.4%</b>	<b>4</b>	<b>5</b>	<b>9</b>	<b>NA</b>
23-1011	Lawyers	274	286	12	4.4%	1	4	5	First Professional degree
23-2011	Paralegals and Legal Assistants	93	104	11	11.8%	1	1	2	Associate degree
23-2091	Court Reporters	42	52	10	23.8%	1	1	2	Postsecondary vocational award
23-2093	Title Examiners, Abstractors, and Searchers	16	13	-3	-18.8%	0	0	0	Moderate-term on-the-job training
23-9099	Legal and Related Workers, All Other	14	23	9	64.3%	1	0	1	Bachelor's degree
<b>25-0000</b>	<b>Education, Training, and Library Occupations</b>	<b>6,237</b>	<b>6,654</b>	<b>417</b>	<b>6.7%</b>	<b>49</b>	<b>133</b>	<b>182</b>	<b>NA</b>
25-1011	Business Teachers, Postsecondary	46	56	10	21.7%	1	1	2	Master's degree
25-1021	Computer Science Teachers, Postsecondary	25	28	3	12.0%	0	1	1	Master's degree
25-1022	Mathematical Science Teachers, Postsecondary	27	33	6	22.2%	1	1	2	Master's degree
25-1032	Engineering Teachers, Postsecondary	15	18	3	20.0%	0	0	0	Doctoral degree
25-1042	Biological Science Teachers, Postsecondary	21	26	5	23.8%	1	1	2	Doctoral degree
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	13	17	4	30.8%	0	0	0	Doctoral degree

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		2002	2012	Net	Percent	Growth	Replacement	Total	
25-1066	Psychology Teachers, Postsecondary	13	17	4	30.8%	0	0	0	Doctoral degree
25-1071	Health Specialties Teachers, Postsecondary	55	65	10	18.2%	1	1	2	Master's degree
25-1072	Nursing Instructors and Teachers, Postsecondary	17	22	5	29.4%	1	0	1	Doctoral degree
25-1081	Education Teachers, Postsecondary	41	50	9	22.0%	1	1	2	Doctoral degree
25-1121	Art, Drama, and Music Teachers, Postsecondary	22	27	5	22.7%	1	1	2	Master's degree
25-1123	English Language and Literature Teachers, Postsecondary	41	49	8	19.5%	1	1	2	Master's degree
25-1126	Philosophy and Religion Teachers, Postsecondary	15	20	5	33.3%	1	0	1	Doctoral degree
25-1191	Graduate Teaching Assistants	94	115	21	22.3%	2	2	4	Bachelor's degree
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	11	15	4	36.4%	0	0	0	Master's degree
25-1194	Vocational Education Teachers, Postsecondary	48	56	8	16.7%	1	1	2	Work experience in a related occupation
25-1199	Postsecondary Teachers, All Other	71	84	13	18.3%	1	2	3	Doctoral degree
25-2011	Preschool Teachers, Except Special Education	224	252	28	12.5%	3	3	6	Postsecondary vocational award
25-2012	Kindergarten Teachers, Except Special Education	188	204	16	8.5%	2	2	4	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	1,027	1,003	-24	-2.3%	0	23	23	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	584	540	-44	-7.5%	0	13	13	Bachelor's degree
25-2023	Vocational Education Teachers, Middle School	13	12	-1	-7.7%	0	0	0	Bachelor's degree plus work experience
25-2031	Secondary School Teachers, Except Special and Vocational Education	989	992	3	0.3%	0	28	28	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	42	39	-3	-7.1%	0	1	1	Bachelor's degree plus work experience
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	218	242	24	11.0%	2	5	7	Bachelor's degree
25-2042	Special Education Teachers, Middle School	87	98	11	12.6%	1	2	3	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	112	124	12	10.7%	1	3	4	Bachelor's degree
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	20	24	4	20.0%	0	0	0	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	117	181	64	54.7%	6	1	7	Work experience in a related occupation
25-3999	Teachers, Primary, Secondary, and Adult, All Other	435	524	89	20.5%	9	5	14	Bachelor's degree
25-4010	Archivists, Curators, and Museum Technicians	14	17	3	21.4%	0	0	0	Master's degree
25-4021	Librarians	79	78	-1	-1.3%	0	2	2	Master's degree
25-4031	Library Technicians	112	120	8	7.1%	1	4	5	Short-term on-the-job training
25-9031	Instructional Coordinators	36	51	15	41.7%	2	1	3	Master's degree
25-9041	Teacher Assistants	1,245	1,300	55	4.4%	6	24	30	Short-term on-the-job training
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>1,168</b>	<b>1,334</b>	<b>166</b>	<b>14.2%</b>	<b>18</b>	<b>22</b>	<b>40</b>	<b>NA</b>
27-1011	Art Directors	12	13	1	8.3%	0	0	0	Bachelor's degree plus work experience

**Employment and Job Openings for All Occupations in Western Maine in 2002 and Projected 2012**  
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		2002	2012	Net	Percent	Growth	Replacement	Total	
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	52	52	0	0.0%	0	1	1	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	35	35	0	0.0%	0	1	1	Bachelor's degree
27-1021	Commercial and Industrial Designers	11	8	-3	-27.3%	0	0	0	Bachelor's degree
27-1023	Floral Designers	57	64	7	12.3%	1	1	2	Moderate-term on-the-job training
27-1024	Graphic Designers	101	116	15	14.9%	2	1	3	Bachelor's degree
27-1025	Interior Designers	21	28	7	33.3%	1	0	1	Bachelor's degree
27-1026	Merchandise Displayers and Window Trimmers	61	88	27	44.3%	3	1	4	Moderate-term on-the-job training
27-1099	Art and Design Workers, All Other	29	30	1	3.4%	0	1	1	Bachelor's degree
27-2012	Producers and Directors	21	21	0	0.0%	0	0	0	Bachelor's degree plus work experience
27-2021	Athletes and Sports Competitors	19	25	6	31.6%	1	0	1	Long-term on-the-job training
27-2022	Coaches and Scouts	167	189	22	13.2%	2	3	5	Long-term on-the-job training
27-2023	Umpires, Referees, and Other Sports Officials	23	32	9	39.1%	1	0	1	Long-term on-the-job training
27-2041	Music Directors and Composers	29	32	3	10.3%	0	1	1	Bachelor's degree plus work experience
27-2042	Musicians and Singers	71	82	11	15.5%	1	2	3	Long-term on-the-job training
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	10	13	3	30.0%	0	0	0	Long-term on-the-job training
27-3010	Announcers	43	36	-7	-16.3%	0	1	1	Long-term on-the-job training
27-3020	News Analysts, Reporters and Correspondents	38	42	4	10.5%	0	1	1	Bachelor's degree plus work experience
27-3031	Public Relations Specialists	54	71	17	31.5%	2	1	3	Bachelor's degree
27-3041	Editors	56	58	2	3.6%	0	1	1	Bachelor's degree
27-3042	Technical Writers	30	38	8	26.7%	1	1	2	Bachelor's degree
27-3043	Writers and Authors	84	98	14	16.7%	1	1	2	Bachelor's degree
27-3091	Interpreters and Translators	15	20	5	33.3%	1	0	1	Long-term on-the-job training
27-3099	Media and Communication Workers, All Other	18	20	2	11.1%	0	0	0	Long-term on-the-job training
27-4012	Broadcast Technicians	17	18	1	5.9%	0	0	0	Associate degree
27-4021	Photographers	49	53	4	8.2%	0	1	1	Long-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	10	12	2	20.0%	0	0	0	Moderate-term on-the-job training
27-4032	Film and Video Editors	11	13	2	18.2%	0	0	0	Bachelor's degree
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupations</b>	<b>4,268</b>	<b>5,265</b>	<b>997</b>	<b>23.4%</b>	<b>100</b>	<b>79</b>	<b>179</b>	<b>NA</b>
29-1011	Chiropractors	31	38	7	22.6%	1	1	2	First Professional degree
29-1020	Dentists	79	75	-4	-5.1%	0	1	1	First Professional degree
29-1031	Dietitians and Nutritionists	33	41	8	24.2%	1	1	2	Bachelor's degree



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29-1041	Optometrists	19	24	5	26.3%	1	1	2	First Professional degree
29-1051	Pharmacists	112	139	27	24.1%	3	2	5	First Professional degree
29-1061	Anesthesiologists	14	17	3	21.4%	0	0	0	First Professional degree
29-1062	Family and General Practitioners	95	114	19	20.0%	2	1	3	First Professional degree
29-1063	Internists, General	34	41	7	20.6%	1	1	2	First Professional degree
29-1064	Obstetricians and Gynecologists	15	19	4	26.7%	0	0	0	First Professional degree
29-1065	Pediatricians, General	17	20	3	17.6%	0	0	0	First Professional degree
29-1066	Psychiatrists	27	32	5	18.5%	1	0	1	First Professional degree
29-1067	Surgeons	53	64	11	20.8%	1	1	2	First Professional degree
29-1069	Physicians and Surgeons, All Other	137	171	34	24.8%	3	2	5	First Professional degree
29-1071	Physician Assistants	74	111	37	50.0%	4	1	5	Bachelor's degree
29-1081	Podiatrists	13	16	3	23.1%	0	0	0	First Professional degree
29-1111	Registered Nurses	1,651	2,041	390	23.6%	39	35	74	Associate degree
29-1122	Occupational Therapists	76	97	21	27.6%	2	1	3	Bachelor's degree
29-1123	Physical Therapists	137	177	40	29.2%	4	1	5	Master's degree
29-1125	Recreational Therapists	22	23	1	4.5%	0	1	1	Bachelor's degree
29-1126	Respiratory Therapists	50	68	18	36.0%	2	2	4	Associate degree
29-1127	Speech-Language Pathologists	101	116	15	14.9%	2	3	5	Master's degree
29-1131	Veterinarians	38	46	8	21.1%	1	1	2	First Professional degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	10	14	4	40.0%	0	0	0	Bachelor's degree
29-2011	Medical and Clinical Laboratory Technologists	83	104	21	25.3%	2	2	4	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	67	80	13	19.4%	1	2	3	Associate degree
29-2021	Dental Hygienists	127	162	35	27.6%	4	1	5	Associate degree
29-2031	Cardiovascular Technologists and Technicians	25	34	9	36.0%	1	1	2	Associate degree
29-2032	Diagnostic Medical Sonographers	20	25	5	25.0%	1	0	1	Associate degree
29-2034	Radiologic Technologists and Technicians	99	119	20	20.2%	2	2	4	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	215	251	36	16.7%	4	3	7	Postsecondary vocational award
29-2051	Dietetic Technicians	22	29	7	31.8%	1	0	1	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	126	158	32	25.4%	3	2	5	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	19	24	5	26.3%	1	0	1	Moderate-term on-the-job training
29-2055	Surgical Technologists	42	54	12	28.6%	1	1	2	Postsecondary vocational award

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		2002	2012	Net	Percent	Growth	Replacement	Total	
29-2056	Veterinary Technologists and Technicians	35	49	14	40.0%	1	1	2	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses	304	341	37	12.2%	4	7	11	Postsecondary vocational award
29-2071	Medical Records and Health Information Technicians	109	166	57	52.3%	6	2	8	Associate degree
29-2081	Opticians, Dispensing	19	24	5	26.3%	1	0	1	Long-term on-the-job training
29-9010	Occupational Health and Safety Specialists and Technicians	28	29	1	3.6%	0	1	1	Bachelor's degree
29-9199	Health Professionals and Technicians, All Other	55	68	13	23.6%	1	1	2	Postsecondary vocational award
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>2,719</b>	<b>3,352</b>	<b>633</b>	<b>23.3%</b>	<b>63</b>	<b>40</b>	<b>103</b>	<b>NA</b>
31-1011	Home Health Aides	642	853	211	32.9%	21	8	29	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,406	1,567	161	11.5%	16	18	34	Short-term on-the-job training
31-1013	Psychiatric Aides	19	25	6	31.6%	1	0	1	Short-term on-the-job training
31-2011	Occupational Therapist Assistants	13	17	4	30.8%	0	0	0	Associate degree
31-2021	Physical Therapist Assistants	41	59	18	43.9%	2	1	3	Associate degree
31-2022	Physical Therapist Aides	17	22	5	29.4%	1	0	1	Short-term on-the-job training
31-9011	Massage Therapists	45	66	21	46.7%	2	1	3	Postsecondary vocational award
31-9091	Dental Assistants	121	154	33	27.3%	3	3	6	Moderate-term on-the-job training
31-9092	Medical Assistants	203	323	120	59.1%	12	4	16	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	21	24	3	14.3%	0	0	0	Short-term on-the-job training
31-9094	Medical Transcriptionists	97	121	24	24.7%	2	2	4	Postsecondary vocational award
31-9095	Pharmacy Aides	10	10	0	0.0%	0	0	0	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	25	31	6	24.0%	1	1	2	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Other	53	71	18	34.0%	2	1	3	Short-term on-the-job training
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>1,170</b>	<b>1,386</b>	<b>216</b>	<b>18.5%</b>	<b>22</b>	<b>32</b>	<b>54</b>	<b>NA</b>
33-1012	First-Line Supervisors/Managers of Police and Detectives	41	48	7	17.1%	1	1	2	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	18	23	5	27.8%	1	1	2	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	26	25	-1	-3.8%	0	1	1	Work experience in a related occupation
33-2011	Fire Fighters	217	279	62	28.6%	6	6	12	Long-term on-the-job training
33-3012	Correctional Officers and Jailers	140	163	23	16.4%	2	3	5	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	31	37	6	19.4%	1	1	2	Work experience in a related occupation
33-3051	Police and Sheriff's Patrol Officers	239	311	72	30.1%	7	6	13	Long-term on-the-job training
33-9011	Animal Control Workers	10	11	1	10.0%	0	1	1	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	15	18	3	20.0%	0	0	0	Work experience in a related occupation

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(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	
33-9032	Security Guards	295	308	13	4.4%	1	6	7	Short-term on-the-job training
33-9091	Crossing Guards	44	55	11	25.0%	1	1	2	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	50	58	8	16.0%	1	4	5	Short-term on-the-job training
<b>35-0000</b>	<b>Food Preparation and Serving Related Occupations</b>	<b>6,695</b>	<b>7,342</b>	<b>647</b>	<b>9.7%</b>	<b>67</b>	<b>263</b>	<b>330</b>	<b>NA</b>
35-1011	Chefs and Head Cooks	116	129	13	11.2%	1	3	4	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	438	476	38	8.7%	4	10	14	Work experience in a related occupation
35-2011	Cooks, Fast Food	257	258	1	0.4%	0	8	8	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	347	324	-23	-6.6%	0	11	11	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	408	445	37	9.1%	4	13	17	Long-term on-the-job training
35-2015	Cooks, Short Order	241	250	9	3.7%	1	8	9	Short-term on-the-job training
35-2021	Food Preparation Workers	844	954	110	13.0%	11	30	41	Short-term on-the-job training
35-3011	Bartenders	312	317	5	1.6%	1	12	13	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,426	1,674	248	17.4%	25	62	87	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	291	330	39	13.4%	4	19	23	Short-term on-the-job training
35-3031	Waiters and Waitresses	1,100	1,228	128	11.6%	13	57	70	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	189	203	14	7.4%	1	6	7	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	168	179	11	6.5%	1	6	7	Short-term on-the-job training
35-9021	Dishwashers	392	393	1	0.3%	0	13	13	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	155	170	15	9.7%	2	5	7	Short-term on-the-job training
35-9099	Food Preparation and Serving Related Workers, All Other	10	11	1	10.0%	0	0	0	Short-term on-the-job training
<b>37-0000</b>	<b>Building and Grounds Cleaning and Maintenance Occupations</b>	<b>3,174</b>	<b>3,528</b>	<b>354</b>	<b>11.2%</b>	<b>36</b>	<b>64</b>	<b>100</b>	<b>NA</b>
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	118	129	11	9.3%	1	3	4	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	89	107	18	20.2%	2	1	3	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,355	1,450	95	7.0%	10	26	36	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	853	938	85	10.0%	9	18	27	Short-term on-the-job training
37-2021	Pest Control Workers	12	13	1	8.3%	0	0	0	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	664	808	144	21.7%	14	15	29	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21	17	-4	-19.0%	0	1	1	Moderate-term on-the-job training
37-3013	Tree Trimmers and Pruners	45	47	2	4.4%	0	1	1	Short-term on-the-job training
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other	17	19	2	11.8%	0	0	0	Short-term on-the-job training
<b>39-0000</b>	<b>Personal Care and Service Occupations</b>	<b>2,662</b>	<b>3,324</b>	<b>662</b>	<b>24.9%</b>	<b>66</b>	<b>63</b>	<b>129</b>	<b>NA</b>

**Employment and Job Openings for All Occupations in Western Maine in 2002 and Projected 2012**  
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SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
39-1021	First-Line Supervisors/Managers of Personal Service Workers	95	128	33	34.7%	3	2	5	Work experience in a related occupation
39-2021	Nonfarm Animal Caretakers	48	63	15	31.3%	2	1	3	Short-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	32	33	1	3.1%	0	1	1	Postsecondary vocational award
39-3031	Ushers, Lobby Attendants, and Ticket Takers	29	37	8	27.6%	1	2	3	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	159	215	56	35.2%	6	5	11	Short-term on-the-job training
39-3199	Gaming Workers, All Other	20	24	4	20.0%	0	1	1	Moderate-term on-the-job training
39-4021	Funeral Attendants	32	42	10	31.3%	1	1	2	Short-term on-the-job training
39-5011	Barbers	39	39	0	0.0%	0	1	1	Postsecondary vocational award
39-5012	Hairdressers, Hairstylists, and Cosmetologists	339	365	26	7.7%	3	7	10	Postsecondary vocational award
39-5094	Skin Care Specialists	12	13	1	8.3%	0	0	0	Postsecondary vocational award
39-6011	Baggage Porters and Bellhops	10	10	0	0.0%	0	0	0	Short-term on-the-job training
39-6021	Tour Guides and Escorts	44	57	13	29.5%	1	1	2	Moderate-term on-the-job training
39-9011	Child Care Workers	861	1,005	144	16.7%	14	23	37	Short-term on-the-job training
39-9021	Personal and Home Care Aides	491	707	216	44.0%	22	8	30	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	123	178	55	44.7%	6	3	9	Postsecondary vocational award
39-9032	Recreation Workers	141	174	33	23.4%	3	3	6	Bachelor's degree
39-9041	Residential Advisors	77	103	26	33.8%	3	2	5	Moderate-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	59	72	13	22.0%	1	1	2	Short-term on-the-job training
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>8,878</b>	<b>9,741</b>	<b>863</b>	<b>9.7%</b>	<b>90</b>	<b>288</b>	<b>378</b>	<b>NA</b>
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,137	1,297	160	14.1%	16	20	36	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	220	248	28	12.7%	3	4	7	Work experience in a related occupation
41-2011	Cashiers	2,342	2,625	283	12.1%	28	114	142	Short-term on-the-job training
41-2021	Counter and Rental Clerks	202	247	45	22.3%	5	8	13	Short-term on-the-job training
41-2022	Parts Salespersons	222	215	-7	-3.2%	0	6	6	Moderate-term on-the-job training
41-2031	Retail Salespersons	2,265	2,448	183	8.1%	18	82	100	Short-term on-the-job training
41-3011	Advertising Sales Agents	90	99	9	10.0%	1	2	3	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	249	254	5	2.0%	1	6	7	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	52	62	10	19.2%	1	1	2	Bachelor's degree
41-3041	Travel Agents	20	16	-4	-20.0%	0	0	0	Postsecondary vocational award
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	93	108	15	16.1%	2	2	4	Moderate-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	667	711	44	6.6%	4	18	22	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	
41-9011	Demonstrators and Product Promoters	120	148	28	23.3%	3	3	6	Moderate-term on-the-job training
41-9021	Real Estate Brokers	94	106	12	12.8%	1	2	3	Work experience in a related occupation
41-9022	Real Estate Sales Agents	50	59	9	18.0%	1	1	2	Postsecondary vocational award
41-9031	Sales Engineers	18	16	-2	-11.1%	0	1	1	Bachelor's degree
41-9041	Telemarketers	676	653	-23	-3.4%	0	11	11	Short-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	68	78	10	14.7%	1	2	3	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	288	345	57	19.8%	6	6	12	Moderate-term on-the-job training
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>12,816</b>	<b>12,701</b>	<b>-115</b>	<b>-0.9%</b>	<b>48</b>	<b>302</b>	<b>350</b>	<b>NA</b>
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	802	806	4	0.5%	0	17	17	Work experience in a related occupation
43-2011	Switchboard Operators, Including Answering Service	140	125	-15	-10.7%	0	4	4	Short-term on-the-job training
43-3011	Bill and Account Collectors	297	338	41	13.8%	4	6	10	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	368	388	20	5.4%	2	6	8	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,284	1,249	-35	-2.7%	0	24	24	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	136	131	-5	-3.7%	0	4	4	Moderate-term on-the-job training
43-3061	Procurement Clerks	17	15	-2	-11.8%	0	0	0	Short-term on-the-job training
43-3071	Tellers	657	689	32	4.9%	3	32	35	Short-term on-the-job training
43-4011	Brokerage Clerks	10	9	-1	-10.0%	0	0	0	Moderate-term on-the-job training
43-4021	Correspondence Clerks	11	10	-1	-9.1%	0	0	0	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	81	92	11	13.6%	1	2	3	Short-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	13	12	-1	-7.7%	0	0	0	Short-term on-the-job training
43-4051	Customer Service Representatives	910	1,047	137	15.1%	14	14	28	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	43	36	-7	-16.3%	0	1	1	Moderate-term on-the-job training
43-4071	File Clerks	86	78	-8	-9.3%	0	3	3	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	145	170	25	17.2%	3	7	10	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	66	86	20	30.3%	2	2	4	Short-term on-the-job training
43-4121	Library Assistants, Clerical	23	27	4	17.4%	0	1	1	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	105	81	-24	-22.9%	0	1	1	Short-term on-the-job training
43-4141	New Accounts Clerks	94	99	5	5.3%	1	2	3	Work experience in a related occupation
43-4151	Order Clerks	154	142	-12	-7.8%	0	4	4	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	70	74	4	5.7%	0	2	2	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	509	608	99	19.4%	10	13	23	Short-term on-the-job training

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43-4999	Financial, Information, and Record Clerks, All Other	126	134	8	6.3%	1	2	3	Short-term on-the-job training
43-5011	Cargo and Freight Agents	19	19	0	0.0%	0	0	0	Moderate-term on-the-job training
43-5021	Couriers and Messengers	36	35	-1	-2.8%	0	1	1	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	83	96	13	15.7%	1	2	3	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	96	111	15	15.6%	2	2	4	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	35	32	-3	-8.6%	0	1	1	Short-term on-the-job training
43-5051	Postal Service Clerks	103	88	-15	-14.6%	0	3	3	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	214	184	-30	-14.0%	0	7	7	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	69	53	-16	-23.2%	0	2	2	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	107	104	-3	-2.8%	0	3	3	Short-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	499	455	-44	-8.8%	0	10	10	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	876	804	-72	-8.2%	0	32	32	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25	25	0	0.0%	0	1	1	Short-term on-the-job training
43-5199	Material Recording, Scheduling, Dispatching, and Distributing Workers, All Other (OES Only)	18	15	-3	-16.7%	0	1	1	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	550	558	8	1.5%	1	11	12	Moderate-term on-the-job training
43-6012	Legal Secretaries	111	108	-3	-2.7%	0	2	2	Postsecondary vocational award
43-6013	Medical Secretaries	256	288	32	12.5%	3	5	8	Postsecondary vocational award
43-6014	Secretaries, Except Legal, Medical, and Executive	1,300	1,169	-131	-10.1%	0	25	25	Moderate-term on-the-job training
43-9011	Computer Operators	84	63	-21	-25.0%	0	2	2	Moderate-term on-the-job training
43-9021	Data Entry Keyers	162	131	-31	-19.1%	0	4	4	Moderate-term on-the-job training
43-9022	Word Processors and Typists	124	66	-58	-46.8%	0	3	3	Moderate-term on-the-job training
43-9031	Desktop Publishers	16	19	3	18.8%	0	0	0	Postsecondary vocational award
43-9041	Insurance Claims and Policy Processing Clerks	79	75	-4	-5.1%	0	1	1	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	118	110	-8	-6.8%	0	4	4	Short-term on-the-job training
43-9061	Office Clerks, General	1,497	1,487	-10	-0.7%	0	33	33	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	34	32	-2	-5.9%	0	1	1	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	21	17	-4	-19.0%	0	0	0	Short-term on-the-job training
43-9111	Statistical Assistants	11	9	-2	-18.2%	0	0	0	Moderate-term on-the-job training
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other	86	78	-8	-9.3%	0	2	2	Short-term on-the-job training
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>899</b>	<b>936</b>	<b>37</b>	<b>4.1%</b>	<b>6</b>	<b>20</b>	<b>26</b>	<b>NA</b>
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	47	52	5	10.6%	1	1	2	Work experience in a related occupation

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45-2041	Graders and Sorters, Agricultural Products	45	45	0	0.0%	0	1	1	Work experience in a related occupation
45-2091	Agricultural Equipment Operators	10	13	3	30.0%	0	0	0	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	228	260	32	14.0%	3	7	10	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	69	87	18	26.1%	2	2	4	Short-term on-the-job training
45-4011	Forest and Conservation Workers	14	14	0	0.0%	0	0	0	Moderate-term on-the-job training
45-4021	Fallers	172	166	-6	-3.5%	0	3	3	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	263	253	-10	-3.8%	0	5	5	Moderate-term on-the-job training
45-4023	Log Graders and Scalers	42	35	-7	-16.7%	0	1	1	Moderate-term on-the-job training
<b>47-0000</b>	<b>Construction and Extraction Occupations</b>	<b>4,722</b>	<b>4,685</b>	<b>-37</b>	<b>-0.8%</b>	<b>5</b>	<b>91</b>	<b>96</b>	<b>NA</b>
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	385	380	-5	-1.3%	0	7	7	Work experience in a related occupation
47-2011	Boilermakers	22	17	-5	-22.7%	0	1	1	Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	79	74	-5	-6.3%	0	1	1	Long-term on-the-job training
47-2022	Stonemasons	21	20	-1	-4.8%	0	0	0	Long-term on-the-job training
47-2031	Carpenters	1,353	1,362	9	0.7%	1	22	23	Long-term on-the-job training
47-2041	Carpet Installers	21	21	0	0.0%	0	0	0	Moderate-term on-the-job training
47-2043	Floor Sanders and Finishers	17	15	-2	-11.8%	0	0	0	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	13	13	0	0.0%	0	0	0	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	100	105	5	5.0%	1	2	3	Moderate-term on-the-job training
47-2061	Construction Laborers	480	482	2	0.4%	0	6	6	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	35	38	3	8.6%	0	1	1	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	185	184	-1	-0.5%	0	5	5	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	79	81	2	2.5%	0	2	2	Moderate-term on-the-job training
47-2082	Tapers	10	10	0	0.0%	0	0	0	Moderate-term on-the-job training
47-2111	Electricians	444	435	-9	-2.0%	0	9	9	Long-term on-the-job training
47-2121	Glaziers	14	14	0	0.0%	0	0	0	Long-term on-the-job training
47-2130	Insulation Workers	26	23	-3	-11.5%	0	1	1	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	247	247	0	0.0%	0	4	4	Moderate-term on-the-job training
47-2142	Paperhangers	19	16	-3	-15.8%	0	0	0	Moderate-term on-the-job training
47-2151	Pipelayers	48	44	-4	-8.3%	0	1	1	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	273	253	-20	-7.3%	0	6	6	Long-term on-the-job training
47-2181	Roofers	75	74	-1	-1.3%	0	2	2	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	
47-2211	Sheet Metal Workers	112	110	-2	-1.8%	0	3	3	Moderate-term on-the-job training
47-2221	Structural Iron and Steel Workers	29	29	0	0.0%	0	1	1	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	39	34	-5	-12.8%	0	2	2	Short-term on-the-job training
47-3012	Helpers--Carpenters	71	69	-2	-2.8%	0	3	3	Short-term on-the-job training
47-3013	Helpers--Electricians	88	81	-7	-8.0%	0	4	4	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	10	9	-1	-10.0%	0	0	0	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	29	25	-4	-13.8%	0	1	1	Short-term on-the-job training
47-3016	Helpers--Roofers	12	12	0	0.0%	0	1	1	Short-term on-the-job training
47-4011	Construction and Building Inspectors	16	18	2	12.5%	0	0	0	Work experience in a related occupation
47-4021	Elevator Installers and Repairers	42	38	-4	-9.5%	0	1	1	Long-term on-the-job training
47-4031	Fence Erectors	13	10	-3	-23.1%	0	0	0	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	44	50	6	13.6%	1	1	2	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	198	220	22	11.1%	2	3	5	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	11	11	0	0.0%	0	0	0	Moderate-term on-the-job training
47-4999	Construction Trades and Related Workers, All Other	19	19	0	0.0%	0	0	0	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	14	14	0	0.0%	0	0	0	Moderate-term on-the-job training
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupations</b>	<b>3,782</b>	<b>4,001</b>	<b>219</b>	<b>5.8%</b>	<b>34</b>	<b>87</b>	<b>121</b>	<b>NA</b>
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	272	281	9	3.3%	1	7	8	Work experience in a related occupation
49-2011	Computer, Automated Teller, and Office Machine Repairers	38	39	1	2.6%	0	1	1	Postsecondary vocational award
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	70	65	-5	-7.1%	0	1	1	Long-term on-the-job training
49-2092	Electric Motor, Power Tool, and Related Repairers	39	33	-6	-15.4%	0	1	1	Postsecondary vocational award
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	11	14	3	27.3%	0	0	0	Postsecondary vocational award
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	65	50	-15	-23.1%	0	1	1	Postsecondary vocational award
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	11	13	2	18.2%	0	0	0	Postsecondary vocational award
49-3011	Aircraft Mechanics and Service Technicians	23	30	7	30.4%	1	1	2	Postsecondary vocational award
49-3021	Automotive Body and Related Repairers	132	153	21	15.9%	2	3	5	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	13	14	1	7.7%	0	0	0	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	620	702	82	13.2%	8	17	25	Postsecondary vocational award
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	174	190	16	9.2%	2	5	7	Postsecondary vocational award
49-3041	Farm Equipment Mechanics	19	20	1	5.3%	0	0	0	Postsecondary vocational award
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	86	93	7	8.1%	1	2	3	Postsecondary vocational award



**Employment and Job Openings for All Occupations in Western 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	
49-3051	Motorboat Mechanics	83	115	32	38.6%	3	2	5	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	35	44	9	25.7%	1	1	2	Moderate-term on-the-job training
49-3091	Bicycle Repairers	10	10	0	0.0%	0	0	0	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	13	19	6	46.2%	1	1	2	Long-term on-the-job training
49-3093	Tire Repairers and Changers	62	68	6	9.7%	1	3	4	Short-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	43	62	19	44.2%	2	1	3	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	270	310	40	14.8%	4	4	8	Long-term on-the-job training
49-9031	Home Appliance Repairers	15	15	0	0.0%	0	0	0	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	160	139	-21	-13.1%	0	3	3	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	783	822	39	5.0%	4	15	19	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	102	84	-18	-17.6%	0	2	2	Short-term on-the-job training
49-9044	Millwrights	173	132	-41	-23.7%	0	4	4	Long-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	79	81	2	2.5%	0	3	3	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	36	33	-3	-8.3%	0	1	1	Long-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	42	31	-11	-26.2%	0	1	1	Long-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	36	38	2	5.6%	0	1	1	Moderate-term on-the-job training
49-9094	Locksmiths and Safe Repairers	12	13	1	8.3%	0	0	0	Moderate-term on-the-job training
49-9095	Manufactured Building and Mobile Home Installers	32	44	12	37.5%	1	1	2	Moderate-term on-the-job training
49-9096	Riggers	13	18	5	38.5%	1	0	1	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	46	52	6	13.0%	1	2	3	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	107	112	5	4.7%	1	2	3	Moderate-term on-the-job training
<b>51-0000</b>	<b>Production Occupations</b>	<b>8,627</b>	<b>7,099</b>	<b>-1,528</b>	<b>-17.7%</b>	<b>5</b>	<b>204</b>	<b>209</b>	<b>NA</b>
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	578	512	-66	-11.4%	0	12	12	Work experience in a related occupation
51-2022	Electrical and Electronic Equipment Assemblers	61	49	-12	-19.7%	0	1	1	Short-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	54	46	-8	-14.8%	0	1	1	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	15	12	-3	-20.0%	0	0	0	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	12	13	1	8.3%	0	0	0	Moderate-term on-the-job training
51-2092	Team Assemblers	567	422	-145	-25.6%	0	15	15	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	111	99	-12	-10.8%	0	3	3	Moderate-term on-the-job training
51-3011	Bakers	131	147	16	12.2%	2	3	5	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	96	92	-4	-4.2%	0	2	2	Long-term on-the-job training

**Employment and Job Openings for All Occupations in Western 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	
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	11	12	1	9.1%	0	0	0	Short-term on-the-job training
51-3092	Food Batchmakers	38	42	4	10.5%	0	1	1	Short-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	85	79	-6	-7.1%	0	1	1	Moderate-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	14	10	-4	-28.6%	0	1	1	Moderate-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	15	12	-3	-20.0%	0	0	0	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	302	252	-50	-16.6%	0	7	7	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20	18	-2	-10.0%	0	1	1	Moderate-term on-the-job training
51-4033	Grinding/Lapping/Polishing&Buffing Machine Tool Setters/Operators/Tenders, Metal&Plastic	23	20	-3	-13.0%	0	0	0	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	17	14	-3	-17.6%	0	0	0	Moderate-term on-the-job training
51-4041	Machinists	364	324	-40	-11.0%	0	9	9	Long-term on-the-job training
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	130	102	-28	-21.5%	0	3	3	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	40	35	-5	-12.5%	0	1	1	Moderate-term on-the-job training
51-4111	Tool and Die Makers	20	16	-4	-20.0%	0	1	1	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	141	141	0	0.0%	0	4	4	Long-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	38	34	-4	-10.5%	0	1	1	Moderate-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	17	15	-2	-11.8%	0	0	0	Moderate-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	22	16	-6	-27.3%	0	1	1	Moderate-term on-the-job training
51-4199	Metal Workers and Plastic Workers, All Other	10	8	-2	-20.0%	0	0	0	Moderate-term on-the-job training
51-5011	Bindery Workers	115	95	-20	-17.4%	0	3	3	Short-term on-the-job training
51-5021	Job Printers	26	27	1	3.8%	0	1	1	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	86	68	-18	-20.9%	0	2	2	Long-term on-the-job training
51-5023	Printing Machine Operators	204	198	-6	-2.9%	0	5	5	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	116	122	6	5.2%	1	3	4	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	14	12	-2	-14.3%	0	0	0	Short-term on-the-job training
51-6031	Sewing Machine Operators	234	161	-73	-31.2%	0	3	3	Moderate-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	89	46	-43	-48.3%	0	3	3	Long-term on-the-job training
51-6042	Shoe Machine Operators and Tenders	112	44	-68	-60.7%	0	2	2	Moderate-term on-the-job training
51-6051	Sewers, Hand	104	52	-52	-50.0%	0	2	2	Short-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	16	13	-3	-18.8%	0	0	0	Long-term on-the-job training
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23	14	-9	-39.1%	0	1	1	Moderate-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	106	71	-35	-33.0%	0	1	1	Long-term on-the-job training

**Employment and Job Openings for All Occupations in Western Maine in 2002 and Projected 2012**  
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		2002	2012	Net	Percent	Growth	Replacement	Total	
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	85	60	-25	-29.4%	0	2	2	Moderate-term on-the-job training
51-6093	Upholsterers	27	24	-3	-11.1%	0	1	1	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	220	182	-38	-17.3%	0	6	6	Long-term on-the-job training
51-7021	Furniture Finishers	39	32	-7	-17.9%	0	1	1	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	225	171	-54	-24.0%	0	6	6	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	361	262	-99	-27.4%	0	10	10	Moderate-term on-the-job training
51-7099	Woodworkers, All Other	78	56	-22	-28.2%	0	2	2	Moderate-term on-the-job training
51-8013	Power Plant Operators	30	26	-4	-13.3%	0	1	1	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	98	79	-19	-19.4%	0	2	2	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	105	98	-7	-6.7%	0	4	4	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	75	57	-18	-24.0%	0	2	2	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	60	51	-9	-15.0%	0	2	2	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	43	30	-13	-30.2%	0	1	1	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	15	14	-1	-6.7%	0	0	0	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	103	80	-23	-22.3%	0	3	3	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	13	13	0	0.0%	0	0	0	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	197	159	-38	-19.3%	0	4	4	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	92	73	-19	-20.7%	0	2	2	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	58	46	-12	-20.7%	0	1	1	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	311	273	-38	-12.2%	0	7	7	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	29	31	2	6.9%	0	1	1	Postsecondary vocational award
51-9081	Dental Laboratory Technicians	17	17	0	0.0%	0	0	0	Long-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	267	255	-12	-4.5%	0	5	5	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	174	139	-35	-20.1%	0	5	5	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	45	60	15	33.3%	2	1	3	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	25	23	-2	-8.0%	0	1	1	Short-term on-the-job training
51-9131	Photographic Process Workers	19	20	1	5.3%	0	1	1	Moderate-term on-the-job training
51-9132	Photographic Processing Machine Operators	37	34	-3	-8.1%	0	1	1	Short-term on-the-job training
51-9191	Cementing and Gluing Machine Operators and Tenders	26	16	-10	-38.5%	0	1	1	Moderate-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	31	26	-5	-16.1%	0	1	1	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	307	251	-56	-18.2%	0	7	7	Moderate-term on-the-job training

**Employment and Job Openings for All Occupations in Western Maine in 2002 and Projected 2012**  
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SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
51-9198	Helpers--Production Workers	323	267	-56	-17.3%	0	9	9	Short-term on-the-job training
51-9199	Production Workers, All Other	596	466	-130	-21.8%	0	14	14	Moderate-term on-the-job training
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>5,934</b>	<b>5,983</b>	<b>49</b>	<b>0.8%</b>	<b>25</b>	<b>130</b>	<b>155</b>	<b>NA</b>
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	87	92	5	5.7%	1	2	3	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	96	100	4	4.2%	0	2	2	Work experience in a related occupation
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	11	12	1	9.1%	0	0	0	Moderate-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	63	67	4	6.3%	0	1	1	Moderate-term on-the-job training
53-3022	Bus Drivers, School	285	288	3	1.1%	0	6	6	Short-term on-the-job training
53-3031	Driver/Sales Workers	209	206	-3	-1.4%	0	3	3	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,390	1,469	79	5.7%	8	23	31	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	630	695	65	10.3%	7	6	13	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	90	110	20	22.2%	2	1	3	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	48	60	12	25.0%	1	1	2	Short-term on-the-job training
53-5011	Sailors and Marine Oilers	16	22	6	37.5%	1	1	2	Short-term on-the-job training
53-6031	Service Station Attendants	173	182	9	5.2%	1	8	9	Short-term on-the-job training
53-6099	Transportation Workers, All Other	17	19	2	11.8%	0	1	1	Short-term on-the-job training
53-7011	Conveyor Operators and Tenders	93	76	-17	-18.3%	0	3	3	Short-term on-the-job training
53-7021	Crane and Tower Operators	20	16	-4	-20.0%	0	0	0	Moderate-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	114	108	-6	-5.3%	0	3	3	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	457	420	-37	-8.1%	0	9	9	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	125	138	13	10.4%	1	4	5	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,107	1,008	-99	-8.9%	0	36	36	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	230	193	-37	-16.1%	0	6	6	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	526	551	25	4.8%	3	10	13	Short-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	80	80	0	0.0%	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.*

**Employment and Job Openings for All Occupations in Western 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	
13-2011	Accountants and Auditors	676	781	105	15.5%	11	13	24	Bachelor's degree
11-3011	Administrative Services Managers	120	131	11	9.2%	1	2	3	Bachelor's degree plus work experience
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	20	24	4	20.0%	0	0	0	Bachelor's degree
11-2011	Advertising and Promotions Managers	57	74	17	29.8%	2	1	3	Bachelor's degree plus work experience
41-3011	Advertising Sales Agents	90	99	9	10.0%	1	2	3	Moderate-term on-the-job training
19-1010	Agricultural and Food Scientists	12	14	2	16.7%	0	0	0	Bachelor's degree
45-2091	Agricultural Equipment Operators	10	13	3	30.0%	0	0	0	Moderate-term on-the-job training
49-3011	Aircraft Mechanics and Service Technicians	23	30	7	30.4%	1	1	2	Postsecondary vocational award
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	11	12	1	9.1%	0	0	0	Moderate-term on-the-job training
39-3091	Amusement and Recreation Attendants	159	215	56	35.2%	6	5	11	Short-term on-the-job training
29-1061	Anesthesiologists	14	17	3	21.4%	0	0	0	First Professional degree
33-9011	Animal Control Workers	10	11	1	10.0%	0	1	1	Moderate-term on-the-job training
27-3010	Announcers	43	36	-7	-16.3%	0	1	1	Long-term on-the-job training
13-2021	Appraisers and Assessors of Real Estate	44	51	7	15.9%	1	1	2	Postsecondary vocational award
17-1011	Architects, Except Landscape and Naval	30	34	4	13.3%	0	0	0	Bachelor's degree
17-3011	Architectural and Civil Drafters	54	47	-7	-13.0%	0	2	2	Postsecondary vocational award
25-4010	Archivists, Curators, and Museum Technicians	14	17	3	21.4%	0	0	0	Master's degree
27-1099	Art and Design Workers, All Other	29	30	1	3.4%	0	1	1	Bachelor's degree
27-1011	Art Directors	12	13	1	8.3%	0	0	0	Bachelor's degree plus work experience
25-1121	Art, Drama, and Music Teachers, Postsecondary	22	27	5	22.7%	1	1	2	Master's degree
51-2099	Assemblers and Fabricators, All Other	111	99	-12	-10.8%	0	3	3	Moderate-term on-the-job training
27-2021	Athletes and Sports Competitors	19	25	6	31.6%	1	0	1	Long-term on-the-job training
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	13	17	4	30.8%	0	0	0	Doctoral degree
49-3021	Automotive Body and Related Repairers	132	153	21	15.9%	2	3	5	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	13	14	1	7.7%	0	0	0	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	620	702	82	13.2%	8	17	25	Postsecondary vocational award
39-6011	Baggage Porters and Bellhops	10	10	0	0.0%	0	0	0	Short-term on-the-job training
51-3011	Bakers	131	147	16	12.2%	2	3	5	Long-term on-the-job training
39-5011	Barbers	39	39	0	0.0%	0	1	1	Postsecondary vocational award
35-3011	Bartenders	312	317	5	1.6%	1	12	13	Short-term on-the-job training
49-3091	Bicycle Repairers	10	10	0	0.0%	0	0	0	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	
43-3011	Bill and Account Collectors	297	338	41	13.8%	4	6	10	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	368	388	20	5.4%	2	6	8	Moderate-term on-the-job training
51-5011	Bindery Workers	115	95	-20	-17.4%	0	3	3	Short-term on-the-job training
25-1042	Biological Science Teachers, Postsecondary	21	26	5	23.8%	1	1	2	Doctoral degree
19-4021	Biological Technicians	20	22	2	10.0%	0	0	0	Associate degree
47-2011	Boilermakers	22	17	-5	-22.7%	0	1	1	Long-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,284	1,249	-35	-2.7%	0	24	24	Moderate-term on-the-job training
47-2021	Brickmasons and Blockmasons	79	74	-5	-6.3%	0	1	1	Long-term on-the-job training
27-4012	Broadcast Technicians	17	18	1	5.9%	0	0	0	Associate degree
43-4011	Brokerage Clerks	10	9	-1	-10.0%	0	0	0	Moderate-term on-the-job training
13-2031	Budget Analysts	23	29	6	26.1%	1	0	1	Bachelor's degree
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other	17	19	2	11.8%	0	0	0	Short-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	174	190	16	9.2%	2	5	7	Postsecondary vocational award
53-3022	Bus Drivers, School	285	288	3	1.1%	0	6	6	Short-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	63	67	4	6.3%	0	1	1	Moderate-term on-the-job training
13-1199	Business Operations Specialists, All Other	328	413	85	25.9%	9	6	15	Bachelor's degree
25-1011	Business Teachers, Postsecondary	46	56	10	21.7%	1	1	2	Master's degree
51-3021	Butchers and Meat Cutters	96	92	-4	-4.2%	0	2	2	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	220	182	-38	-17.3%	0	6	6	Long-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	10	12	2	20.0%	0	0	0	Moderate-term on-the-job training
29-2031	Cardiovascular Technologists and Technicians	25	34	9	36.0%	1	1	2	Associate degree
43-5011	Cargo and Freight Agents	19	19	0	0.0%	0	0	0	Moderate-term on-the-job training
47-2031	Carpenters	1,353	1,362	9	0.7%	1	22	23	Long-term on-the-job training
47-2041	Carpet Installers	21	21	0	0.0%	0	0	0	Moderate-term on-the-job training
41-2011	Cashiers	2,342	2,625	283	12.1%	28	114	142	Short-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	100	105	5	5.0%	1	2	3	Moderate-term on-the-job training
51-9191	Cementing and Gluing Machine Operators and Tenders	26	16	-10	-38.5%	0	1	1	Moderate-term on-the-job training
35-1011	Chefs and Head Cooks	116	129	13	11.2%	1	3	4	Work experience in a related occupation
17-2041	Chemical Engineers	25	21	-4	-16.0%	0	1	1	Bachelor's degree
51-9011	Chemical Equipment Operators and Tenders	75	57	-18	-24.0%	0	2	2	Moderate-term on-the-job training
19-4031	Chemical Technicians	11	9	-2	-18.2%	0	0	0	Associate degree

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19-2031	Chemists	11	10	-1	-9.1%	0	0	0	Bachelor's degree
11-1011	Chief Executives	341	364	23	6.7%	2	6	8	Bachelor's degree plus work experience
39-9011	Child Care Workers	861	1,005	144	16.7%	14	23	37	Short-term on-the-job training
21-1021	Child, Family, and School Social Workers	208	257	49	23.6%	5	4	9	Bachelor's degree
29-1011	Chiropractors	31	38	7	22.6%	1	1	2	First Professional degree
17-3022	Civil Engineering Technicians	30	30	0	0.0%	0	1	1	Associate degree
17-2051	Civil Engineers	76	72	-4	-5.3%	0	1	1	Bachelor's degree
53-7061	Cleaners of Vehicles and Equipment	125	138	13	10.4%	1	4	5	Short-term on-the-job training
21-2011	Clergy	295	321	26	8.8%	3	6	9	First Professional degree
19-3031	Clinical, Counseling, and School Psychologists	106	136	30	28.3%	3	2	5	Doctoral degree
27-2022	Coaches and Scouts	167	189	22	13.2%	2	3	5	Long-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	174	139	-35	-20.1%	0	5	5	Moderate-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	36	38	2	5.6%	0	1	1	Moderate-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,426	1,674	248	17.4%	25	62	87	Short-term on-the-job training
27-1021	Commercial and Industrial Designers	11	8	-3	-27.3%	0	0	0	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	47	53	6	12.8%	1	1	2	Bachelor's degree
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	50	57	7	14.0%	1	1	2	Long-term on-the-job training
11-3021	Computer and Information Systems Managers	119	143	24	20.2%	2	2	4	Bachelor's degree plus work experience
43-9011	Computer Operators	84	63	-21	-25.0%	0	2	2	Moderate-term on-the-job training
15-1021	Computer Programmers	87	86	-1	-1.1%	0	2	2	Bachelor's degree
25-1021	Computer Science Teachers, Postsecondary	25	28	3	12.0%	0	1	1	Master's degree
15-1031	Computer Software Engineers, Applications	79	90	11	13.9%	1	1	2	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	32	33	1	3.1%	0	0	0	Bachelor's degree
15-1099	Computer Specialists, All Other	22	25	3	13.6%	0	0	0	Associate degree
15-1041	Computer Support Specialists	137	151	14	10.2%	1	2	3	Associate degree
15-1051	Computer Systems Analysts	105	121	16	15.2%	2	1	3	Bachelor's degree
49-2011	Computer, Automated Teller, and Office Machine Repairers	38	39	1	2.6%	0	1	1	Postsecondary vocational award
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	85	79	-6	-7.1%	0	1	1	Moderate-term on-the-job training
19-1031	Conservation Scientists	16	16	0	0.0%	0	1	1	Bachelor's degree
47-4011	Construction and Building Inspectors	16	18	2	12.5%	0	0	0	Work experience in a related occupation
47-2061	Construction Laborers	480	482	2	0.4%	0	6	6	Moderate-term on-the-job training

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11-9021	Construction Managers	217	221	4	1.8%	0	4	4	Bachelor's degree
47-4999	Construction Trades and Related Workers, All Other	19	19	0	0.0%	0	0	0	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	43	62	19	44.2%	2	1	3	Moderate-term on-the-job training
53-7011	Conveyor Operators and Tenders	93	76	-17	-18.3%	0	3	3	Short-term on-the-job training
35-2011	Cooks, Fast Food	257	258	1	0.4%	0	8	8	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	347	324	-23	-6.6%	0	11	11	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	408	445	37	9.1%	4	13	17	Long-term on-the-job training
35-2015	Cooks, Short Order	241	250	9	3.7%	1	8	9	Short-term on-the-job training
33-3012	Correctional Officers and Jailers	140	163	23	16.4%	2	3	5	Moderate-term on-the-job training
43-4021	Correspondence Clerks	11	10	-1	-9.1%	0	0	0	Short-term on-the-job training
13-1051	Cost Estimators	81	82	1	1.2%	0	2	2	Work experience in a related occupation
21-9099	Counselors, Social, and Religious Workers, All Other	110	148	38	34.5%	4	2	6	Bachelor's degree
41-2021	Counter and Rental Clerks	202	247	45	22.3%	5	8	13	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	291	330	39	13.4%	4	19	23	Short-term on-the-job training
43-5021	Couriers and Messengers	36	35	-1	-2.8%	0	1	1	Short-term on-the-job training
23-2091	Court Reporters	42	52	10	23.8%	1	1	2	Postsecondary vocational award
43-4031	Court, Municipal, and License Clerks	81	92	11	13.6%	1	2	3	Short-term on-the-job training
53-7021	Crane and Tower Operators	20	16	-4	-20.0%	0	0	0	Moderate-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	13	12	-1	-7.7%	0	0	0	Short-term on-the-job training
33-9091	Crossing Guards	44	55	11	25.0%	1	1	2	Short-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	43	30	-13	-30.2%	0	1	1	Moderate-term on-the-job training
43-4051	Customer Service Representatives	910	1,047	137	15.1%	14	14	28	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	13	13	0	0.0%	0	0	0	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	197	159	-38	-19.3%	0	4	4	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	302	252	-50	-16.6%	0	7	7	Moderate-term on-the-job training
43-9021	Data Entry Keyers	162	131	-31	-19.1%	0	4	4	Moderate-term on-the-job training
15-1061	Database Administrators	28	33	5	17.9%	1	0	1	Bachelor's degree
41-9011	Demonstrators and Product Promoters	120	148	28	23.3%	3	3	6	Moderate-term on-the-job training
31-9091	Dental Assistants	121	154	33	27.3%	3	3	6	Moderate-term on-the-job training
29-2021	Dental Hygienists	127	162	35	27.6%	4	1	5	Associate degree
51-9081	Dental Laboratory Technicians	17	17	0	0.0%	0	0	0	Long-term on-the-job training



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29-1020	Dentists	79	75	-4	-5.1%	0	1	1	First Professional degree
43-9031	Desktop Publishers	16	19	3	18.8%	0	0	0	Postsecondary vocational award
33-3021	Detectives and Criminal Investigators	31	37	6	19.4%	1	1	2	Work experience in a related occupation
29-2032	Diagnostic Medical Sonographers	20	25	5	25.0%	1	0	1	Associate degree
29-2051	Dietetic Technicians	22	29	7	31.8%	1	0	1	Moderate-term on-the-job training
29-1031	Dietitians and Nutritionists	33	41	8	24.2%	1	1	2	Bachelor's degree
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	168	179	11	6.5%	1	6	7	Short-term on-the-job training
21-2021	Directors, Religious Activities and Education	31	36	5	16.1%	1	0	1	Bachelor's degree
35-9021	Dishwashers	392	393	1	0.3%	0	13	13	Short-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	96	111	15	15.6%	2	2	4	Moderate-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	68	78	10	14.7%	1	2	3	Short-term on-the-job training
17-3099	Drafters, Engineering, and Mapping Technicians, All Other	27	24	-3	-11.1%	0	1	1	Associate degree
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20	18	-2	-10.0%	0	1	1	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	209	206	-3	-1.4%	0	3	3	Short-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	79	81	2	2.5%	0	2	2	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	14	14	0	0.0%	0	0	0	Moderate-term on-the-job training
27-3041	Editors	56	58	2	3.6%	0	1	1	Bachelor's degree
11-9039	Education Administrators, All Other	14	15	1	7.1%	0	0	0	Bachelor's degree plus work experience
11-9032	Education Administrators, Elementary and Secondary School	212	220	8	3.8%	1	5	6	Bachelor's degree plus work experience
11-9033	Education Administrators, Postsecondary	58	65	7	12.1%	1	1	2	Bachelor's degree plus work experience
11-9031	Education Administrators, Preschool and Child Care Center/Program	18	21	3	16.7%	0	0	0	Bachelor's degree plus work experience
25-1081	Education Teachers, Postsecondary	41	50	9	22.0%	1	1	2	Doctoral degree
21-1012	Educational, Vocational, and School Counselors	160	158	-2	-1.3%	0	4	4	Master's degree
49-2092	Electric Motor, Power Tool, and Related Repairers	39	33	-6	-15.4%	0	1	1	Postsecondary vocational award
17-3023	Electrical and Electronic Engineering Technicians	43	44	1	2.3%	0	1	1	Associate degree
51-2022	Electrical and Electronic Equipment Assemblers	61	49	-12	-19.7%	0	1	1	Short-term on-the-job training
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	11	14	3	27.3%	0	0	0	Postsecondary vocational award
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	65	50	-15	-23.1%	0	1	1	Postsecondary vocational award
17-2071	Electrical Engineers	40	36	-4	-10.0%	0	1	1	Bachelor's degree
49-9051	Electrical Power-Line Installers and Repairers	79	81	2	2.5%	0	3	3	Long-term on-the-job training
47-2111	Electricians	444	435	-9	-2.0%	0	9	9	Long-term on-the-job training

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51-2023	Electromechanical Equipment Assemblers	54	46	-8	-14.8%	0	1	1	Short-term on-the-job training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	11	13	2	18.2%	0	0	0	Postsecondary vocational award
17-2072	Electronics Engineers, Except Computer	18	22	4	22.2%	0	0	0	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	1,027	1,003	-24	-2.3%	0	23	23	Bachelor's degree
47-4021	Elevator Installers and Repairers	42	38	-4	-9.5%	0	1	1	Long-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	43	36	-7	-16.3%	0	1	1	Moderate-term on-the-job training
29-2041	Emergency Medical Technicians and Paramedics	215	251	36	16.7%	4	3	7	Postsecondary vocational award
13-1071	Employment, Recruitment, and Placement Specialists	58	63	5	8.6%	1	1	2	Bachelor's degree
11-9041	Engineering Managers	68	64	-4	-5.9%	0	1	1	Bachelor's degree plus work experience
25-1032	Engineering Teachers, Postsecondary	15	18	3	20.0%	0	0	0	Doctoral degree
17-2199	Engineers, All Other	16	16	0	0.0%	0	0	0	Bachelor's degree
25-1123	English Language and Literature Teachers, Postsecondary	41	49	8	19.5%	1	1	2	Master's degree
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	10	13	3	30.0%	0	0	0	Long-term on-the-job training
17-2081	Environmental Engineers	20	22	2	10.0%	0	0	0	Bachelor's degree
19-4091	Environmental Science and Protection Technicians, Including Health	20	24	4	20.0%	0	1	1	Associate degree
19-2041	Environmental Scientists and Specialists, Including Health	45	51	6	13.3%	1	1	2	Master's degree
53-7032	Excavating and Loading Machine and Dragline Operators	114	108	-6	-5.3%	0	3	3	Moderate-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	550	558	8	1.5%	1	11	12	Moderate-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	14	10	-4	-28.6%	0	1	1	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	92	73	-19	-20.7%	0	2	2	Moderate-term on-the-job training
45-4021	Fallers	172	166	-6	-3.5%	0	3	3	Moderate-term on-the-job training
29-1062	Family and General Practitioners	95	114	19	20.0%	2	1	3	First Professional degree
49-3041	Farm Equipment Mechanics	19	20	1	5.3%	0	0	0	Postsecondary vocational award
11-9011	Farm, Ranch, and Other Agricultural Managers	78	93	15	19.2%	2	1	3	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	467	460	-7	-1.5%	0	3	3	Long-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	228	260	32	14.0%	3	7	10	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	69	87	18	26.1%	2	2	4	Short-term on-the-job training
47-4031	Fence Erectors	13	10	-3	-23.1%	0	0	0	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	12	13	1	8.3%	0	0	0	Moderate-term on-the-job training
43-4071	File Clerks	86	78	-8	-9.3%	0	3	3	Short-term on-the-job training
27-4032	Film and Video Editors	11	13	2	18.2%	0	0	0	Bachelor's degree

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13-2051	Financial Analysts	49	56	7	14.3%	1	1	2	Bachelor's degree
11-3031	Financial Managers	365	404	39	10.7%	4	5	9	Bachelor's degree plus work experience
13-2099	Financial Specialists, All Other	53	57	4	7.5%	0	1	1	Bachelor's degree
43-4999	Financial, Information, and Record Clerks, All Other	126	134	8	6.3%	1	2	3	Short-term on-the-job training
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	52	52	0	0.0%	0	1	1	Long-term on-the-job training
33-2011	Fire Fighters	217	279	62	28.6%	6	6	12	Long-term on-the-job training
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	385	380	-5	-1.3%	0	7	7	Work experience in a related occupation
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	47	52	5	10.6%	1	1	2	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	18	23	5	27.8%	1	1	2	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	438	476	38	8.7%	4	10	14	Work experience in a related occupation
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	87	92	5	5.7%	1	2	3	Work experience in a related occupation
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	118	129	11	9.3%	1	3	4	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	89	107	18	20.2%	2	1	3	Work experience in a related occupation
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	272	281	9	3.3%	1	7	8	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	220	248	28	12.7%	3	4	7	Work experience in a related occupation
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	802	806	4	0.5%	0	17	17	Work experience in a related occupation
39-1021	First-Line Supervisors/Managers of Personal Service Workers	95	128	33	34.7%	3	2	5	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	41	48	7	17.1%	1	1	2	Work experience in a related occupation
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	578	512	-66	-11.4%	0	12	12	Work experience in a related occupation
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,137	1,297	160	14.1%	16	20	36	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	96	100	4	4.2%	0	2	2	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	26	25	-1	-3.8%	0	1	1	Work experience in a related occupation
39-9031	Fitness Trainers and Aerobics Instructors	123	178	55	44.7%	6	3	9	Postsecondary vocational award
47-2043	Floor Sanders and Finishers	17	15	-2	-11.8%	0	0	0	Moderate-term on-the-job training
27-1023	Floral Designers	57	64	7	12.3%	1	1	2	Moderate-term on-the-job training
51-3092	Food Batchmakers	38	42	4	10.5%	0	1	1	Short-term on-the-job training
35-9099	Food Preparation and Serving Related Workers, All Other	10	11	1	10.0%	0	0	0	Short-term on-the-job training
35-2021	Food Preparation Workers	844	954	110	13.0%	11	30	41	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	189	203	14	7.4%	1	6	7	Short-term on-the-job training
11-9051	Food Service Managers	261	281	20	7.7%	2	4	6	Work experience in a related occupation
45-4011	Forest and Conservation Workers	14	14	0	0.0%	0	0	0	Moderate-term on-the-job training

**Employment and Job Openings for All Occupations in Western Maine in 2002 and Projected 2012**  
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SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
19-1032	Foresters	24	27	3	12.5%	0	1	1	Bachelor's degree
39-4021	Funeral Attendants	32	42	10	31.3%	1	1	2	Short-term on-the-job training
11-9061	Funeral Directors	39	45	6	15.4%	1	1	2	Associate degree
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	58	46	-12	-20.7%	0	1	1	Moderate-term on-the-job training
51-7021	Furniture Finishers	39	32	-7	-17.9%	0	1	1	Long-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	32	33	1	3.1%	0	1	1	Postsecondary vocational award
39-3199	Gaming Workers, All Other	20	24	4	20.0%	0	1	1	Moderate-term on-the-job training
11-1021	General and Operations Managers	1,535	1,699	164	10.7%	16	29	45	Bachelor's degree plus work experience
47-2121	Glaziers	14	14	0	0.0%	0	0	0	Long-term on-the-job training
45-2041	Graders and Sorters, Agricultural Products	45	45	0	0.0%	0	1	1	Work experience in a related occupation
25-1191	Graduate Teaching Assistants	94	115	21	22.3%	2	2	4	Bachelor's degree
27-1024	Graphic Designers	101	116	15	14.9%	2	1	3	Bachelor's degree
51-9022	Grinding and Polishing Workers, Hand	15	14	-1	-6.7%	0	0	0	Moderate-term on-the-job training
51-4033	Grinding/Lapping/Polishing&Buffing Machine Tool Setters/Operators/Tenders, Metal&Plastic	23	20	-3	-13.0%	0	0	0	Moderate-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	339	365	26	7.7%	3	7	10	Postsecondary vocational award
47-4041	Hazardous Materials Removal Workers	44	50	6	13.6%	1	1	2	Moderate-term on-the-job training
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	15	14	-1	-6.7%	0	0	0	Bachelor's degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	10	14	4	40.0%	0	0	0	Bachelor's degree
21-1091	Health Educators	41	48	7	17.1%	1	1	2	Master's degree
29-9199	Health Professionals and Technicians, All Other	55	68	13	23.6%	1	1	2	Postsecondary vocational award
25-1071	Health Specialties Teachers, Postsecondary	55	65	10	18.2%	1	1	2	Master's degree
31-9099	Healthcare Support Workers, All Other	53	71	18	34.0%	2	1	3	Short-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	270	310	40	14.8%	4	4	8	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	39	34	-5	-12.8%	0	2	2	Short-term on-the-job training
47-3012	Helpers--Carpenters	71	69	-2	-2.8%	0	3	3	Short-term on-the-job training
47-3013	Helpers--Electricians	88	81	-7	-8.0%	0	4	4	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	46	52	6	13.0%	1	2	3	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	10	9	-1	-10.0%	0	0	0	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	29	25	-4	-13.8%	0	1	1	Short-term on-the-job training
51-9198	Helpers--Production Workers	323	267	-56	-17.3%	0	9	9	Short-term on-the-job training
47-3016	Helpers--Roofers	12	12	0	0.0%	0	1	1	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	
47-4051	Highway Maintenance Workers	198	220	22	11.1%	2	3	5	Moderate-term on-the-job training
49-9031	Home Appliance Repairers	15	15	0	0.0%	0	0	0	Long-term on-the-job training
31-1011	Home Health Aides	642	853	211	32.9%	21	8	29	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	155	170	15	9.7%	2	5	7	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	145	170	25	17.2%	3	7	10	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	70	74	4	5.7%	0	2	2	Short-term on-the-job training
11-3040	Human Resources Managers	100	108	8	8.0%	1	2	3	Bachelor's degree plus work experience
17-3026	Industrial Engineering Technicians	34	25	-9	-26.5%	0	1	1	Associate degree
17-2112	Industrial Engineers	88	76	-12	-13.6%	0	2	2	Bachelor's degree
49-9041	Industrial Machinery Mechanics	160	139	-21	-13.1%	0	3	3	Long-term on-the-job training
11-3051	Industrial Production Managers	147	130	-17	-11.6%	0	3	3	Bachelor's degree
53-7051	Industrial Truck and Tractor Operators	457	420	-37	-8.1%	0	9	9	Short-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	311	273	-38	-12.2%	0	7	7	Moderate-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	107	112	5	4.7%	1	2	3	Moderate-term on-the-job training
25-9031	Instructional Coordinators	36	51	15	41.7%	2	1	3	Master's degree
47-2130	Insulation Workers	26	23	-3	-11.5%	0	1	1	Moderate-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	79	75	-4	-5.1%	0	1	1	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	249	254	5	2.0%	1	6	7	Bachelor's degree
13-2053	Insurance Underwriters	34	33	-1	-2.9%	0	1	1	Bachelor's degree
27-1025	Interior Designers	21	28	7	33.3%	1	0	1	Bachelor's degree
29-1063	Internists, General	34	41	7	20.6%	1	1	2	First Professional degree
27-3091	Interpreters and Translators	15	20	5	33.3%	1	0	1	Long-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	66	86	20	30.3%	2	2	4	Short-term on-the-job training
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,355	1,450	95	7.0%	10	26	36	Short-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	29	31	2	6.9%	0	1	1	Postsecondary vocational award
51-5021	Job Printers	26	27	1	3.8%	0	1	1	Long-term on-the-job training
25-2012	Kindergarten Teachers, Except Special Education	188	204	16	8.5%	2	2	4	Bachelor's degree
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,107	1,008	-99	-8.9%	0	36	36	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	664	808	144	21.7%	14	15	29	Short-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	17	14	-3	-17.6%	0	0	0	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	116	122	6	5.2%	1	3	4	Moderate-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
23-1011	Lawyers	274	286	12	4.4%	1	4	5	First Professional degree
23-9099	Legal and Related Workers, All Other	14	23	9	64.3%	1	0	1	Bachelor's degree
43-6012	Legal Secretaries	111	108	-3	-2.7%	0	2	2	Postsecondary vocational award
11-1031	Legislators	48	52	4	8.3%	0	1	1	Bachelor's degree plus work experience
25-4021	Librarians	79	78	-1	-1.3%	0	2	2	Master's degree
43-4121	Library Assistants, Clerical	23	27	4	17.4%	0	1	1	Short-term on-the-job training
25-4031	Library Technicians	112	120	8	7.1%	1	4	5	Short-term on-the-job training
29-2061	Licensed Practical and Licensed Vocational Nurses	304	341	37	12.2%	4	7	11	Postsecondary vocational award
19-4099	Life, Physical, and Social Science Technicians, All Other	12	14	2	16.7%	0	0	0	Associate degree
13-2071	Loan Counselors	12	12	0	0.0%	0	0	0	Bachelor's degree
43-4131	Loan Interviewers and Clerks	105	81	-24	-22.9%	0	1	1	Short-term on-the-job training
13-2072	Loan Officers	156	167	11	7.1%	1	3	4	Bachelor's degree
49-9094	Locksmiths and Safe Repairers	12	13	1	8.3%	0	0	0	Moderate-term on-the-job training
11-9081	Lodging Managers	58	58	0	0.0%	0	1	1	Work experience in a related occupation
45-4023	Log Graders and Scalars	42	35	-7	-16.7%	0	1	1	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	263	253	-10	-3.8%	0	5	5	Moderate-term on-the-job training
53-7063	Machine Feeders and Offbearers	230	193	-37	-16.1%	0	6	6	Short-term on-the-job training
51-4041	Machinists	364	324	-40	-11.0%	0	9	9	Long-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	853	938	85	10.0%	9	18	27	Short-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	118	110	-8	-6.8%	0	4	4	Short-term on-the-job training
49-9042	Maintenance and Repair Workers, General	783	822	39	5.0%	4	15	19	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	102	84	-18	-17.6%	0	2	2	Short-term on-the-job training
13-1111	Management Analysts	159	193	34	21.4%	3	2	5	Bachelor's degree plus work experience
11-9199	Managers, All Other	220	249	29	13.2%	3	4	7	Work experience in a related occupation
49-9095	Manufactured Building and Mobile Home Installers	32	44	12	37.5%	1	1	2	Moderate-term on-the-job training
19-3021	Market Research Analysts	24	25	1	4.2%	0	1	1	Master's degree
11-2021	Marketing Managers	116	139	23	19.8%	2	2	4	Bachelor's degree plus work experience
31-9011	Massage Therapists	45	66	21	46.7%	2	1	3	Postsecondary vocational award
43-5199	Material Recording, Scheduling, Dispatching, and Distributing Workers, All Other (OES Only)	18	15	-3	-16.7%	0	1	1	Short-term on-the-job training
25-1022	Mathematical Science Teachers, Postsecondary	27	33	6	22.2%	1	1	2	Master's degree
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	11	12	1	9.1%	0	0	0	Short-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
17-3013	Mechanical Drafters	34	28	-6	-17.6%	0	1	1	Postsecondary vocational award
17-2141	Mechanical Engineers	84	80	-4	-4.8%	0	2	2	Bachelor's degree
27-3099	Media and Communication Workers, All Other	18	20	2	11.1%	0	0	0	Long-term on-the-job training
29-2012	Medical and Clinical Laboratory Technicians	67	80	13	19.4%	1	2	3	Associate degree
29-2011	Medical and Clinical Laboratory Technologists	83	104	21	25.3%	2	2	4	Bachelor's degree
11-9111	Medical and Health Services Managers	180	230	50	27.8%	5	4	9	Bachelor's degree plus work experience
21-1022	Medical and Public Health Social Workers	97	124	27	27.8%	3	2	5	Bachelor's degree
31-9092	Medical Assistants	203	323	120	59.1%	12	4	16	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	21	24	3	14.3%	0	0	0	Short-term on-the-job training
29-2071	Medical Records and Health Information Technicians	109	166	57	52.3%	6	2	8	Associate degree
43-6013	Medical Secretaries	256	288	32	12.5%	3	5	8	Postsecondary vocational award
31-9094	Medical Transcriptionists	97	121	24	24.7%	2	2	4	Postsecondary vocational award
21-1023	Mental Health and Substance Abuse Social Workers	172	247	75	43.6%	8	3	11	Master's degree
21-1014	Mental Health Counselors	131	160	29	22.1%	3	3	6	Master's degree
27-1026	Merchandise Displayers and Window Trimmers	61	88	27	44.3%	3	1	4	Moderate-term on-the-job training
51-4199	Metal Workers and Plastic Workers, All Other	10	8	-2	-20.0%	0	0	0	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	35	32	-3	-8.6%	0	1	1	Short-term on-the-job training
25-2022	Middle School Teachers, Except Special and Vocational Education	584	540	-44	-7.5%	0	13	13	Bachelor's degree
49-9044	Millwrights	173	132	-41	-23.7%	0	4	4	Long-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	103	80	-23	-22.3%	0	3	3	Moderate-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	86	93	7	8.1%	1	2	3	Postsecondary vocational award
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	31	26	-5	-16.1%	0	1	1	Moderate-term on-the-job training
51-4072	Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic	130	102	-28	-21.5%	0	3	3	Moderate-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	48	60	12	25.0%	1	1	2	Short-term on-the-job training
49-3051	Motorboat Mechanics	83	115	32	38.6%	3	2	5	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	35	35	0	0.0%	0	1	1	Bachelor's degree
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	40	35	-5	-12.5%	0	1	1	Moderate-term on-the-job training
27-2041	Music Directors and Composers	29	32	3	10.3%	0	1	1	Bachelor's degree plus work experience
27-2042	Musicians and Singers	71	82	11	15.5%	1	2	3	Long-term on-the-job training
11-9121	Natural Sciences Managers	14	15	1	7.1%	0	0	0	Bachelor's degree plus work experience
15-1071	Network and Computer Systems Administrators	76	92	16	21.1%	2	1	3	Bachelor's degree

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15-1081	Network Systems and Data Communications Analysts	30	46	16	53.3%	2	0	2	Bachelor's degree
43-4141	New Accounts Clerks	94	99	5	5.3%	1	2	3	Work experience in a related occupation
27-3020	News Analysts, Reporters and Correspondents	38	42	4	10.5%	0	1	1	Bachelor's degree plus work experience
39-2021	Nonfarm Animal Caretakers	48	63	15	31.3%	2	1	3	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,406	1,567	161	11.5%	16	18	34	Short-term on-the-job training
25-1072	Nursing Instructors and Teachers, Postsecondary	17	22	5	29.4%	1	0	1	Doctoral degree
29-1064	Obstetricians and Gynecologists	15	19	4	26.7%	0	0	0	First Professional degree
29-9010	Occupational Health and Safety Specialists and Technicians	28	29	1	3.6%	0	1	1	Bachelor's degree
31-2011	Occupational Therapist Assistants	13	17	4	30.8%	0	0	0	Associate degree
29-1122	Occupational Therapists	76	97	21	27.6%	2	1	3	Bachelor's degree
43-9061	Office Clerks, General	1,497	1,487	-10	-0.7%	0	33	33	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	34	32	-2	-5.9%	0	1	1	Short-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	185	184	-1	-0.5%	0	5	5	Moderate-term on-the-job training
29-2081	Opticians, Dispensing	19	24	5	26.3%	1	0	1	Long-term on-the-job training
29-1041	Optometrists	19	24	5	26.3%	1	1	2	First Professional degree
43-4151	Order Clerks	154	142	-12	-7.8%	0	4	4	Short-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	35	44	9	25.7%	1	1	2	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	267	255	-12	-4.5%	0	5	5	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	526	551	25	4.8%	3	10	13	Short-term on-the-job training
47-2141	Painters, Construction and Maintenance	247	247	0	0.0%	0	4	4	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	45	60	15	33.3%	2	1	3	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	25	23	-2	-8.0%	0	1	1	Short-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	307	251	-56	-18.2%	0	7	7	Moderate-term on-the-job training
47-2142	Paperhangers	19	16	-3	-15.8%	0	0	0	Moderate-term on-the-job training
23-2011	Paralegals and Legal Assistants	93	104	11	11.8%	1	1	2	Associate degree
41-2022	Parts Salespersons	222	215	-7	-3.2%	0	6	6	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	35	38	3	8.6%	0	1	1	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	136	131	-5	-3.7%	0	4	4	Moderate-term on-the-job training
29-1065	Pediatricians, General	17	20	3	17.6%	0	0	0	First Professional degree
39-9021	Personal and Home Care Aides	491	707	216	44.0%	22	8	30	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	59	72	13	22.0%	1	1	2	Short-term on-the-job training



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13-2052	Personal Financial Advisors	42	53	11	26.2%	1	1	2	Bachelor's degree
37-2021	Pest Control Workers	12	13	1	8.3%	0	0	0	Moderate-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21	17	-4	-19.0%	0	1	1	Moderate-term on-the-job training
29-1051	Pharmacists	112	139	27	24.1%	3	2	5	First Professional degree
31-9095	Pharmacy Aides	10	10	0	0.0%	0	0	0	Short-term on-the-job training
29-2052	Pharmacy Technicians	126	158	32	25.4%	3	2	5	Moderate-term on-the-job training
25-1126	Philosophy and Religion Teachers, Postsecondary	15	20	5	33.3%	1	0	1	Doctoral degree
27-4021	Photographers	49	53	4	8.2%	0	1	1	Long-term on-the-job training
51-9131	Photographic Process Workers	19	20	1	5.3%	0	1	1	Moderate-term on-the-job training
51-9132	Photographic Processing Machine Operators	37	34	-3	-8.1%	0	1	1	Short-term on-the-job training
31-2022	Physical Therapist Aides	17	22	5	29.4%	1	0	1	Short-term on-the-job training
31-2021	Physical Therapist Assistants	41	59	18	43.9%	2	1	3	Associate degree
29-1123	Physical Therapists	137	177	40	29.2%	4	1	5	Master's degree
29-1071	Physician Assistants	74	111	37	50.0%	4	1	5	Bachelor's degree
29-1069	Physicians and Surgeons, All Other	137	171	34	24.8%	3	2	5	First Professional degree
47-2151	Pipelayers	48	44	-4	-8.3%	0	1	1	Moderate-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	17	15	-2	-11.8%	0	0	0	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	273	253	-20	-7.3%	0	6	6	Long-term on-the-job training
29-1081	Podiatrists	13	16	3	23.1%	0	0	0	First Professional degree
33-3051	Police and Sheriff's Patrol Officers	239	311	72	30.1%	7	6	13	Long-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	83	96	13	15.7%	1	2	3	Moderate-term on-the-job training
43-5051	Postal Service Clerks	103	88	-15	-14.6%	0	3	3	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	214	184	-30	-14.0%	0	7	7	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	69	53	-16	-23.2%	0	2	2	Short-term on-the-job training
11-9131	Postmasters and Mail Superintendents	83	71	-12	-14.5%	0	2	2	Work experience in a related occupation
25-1199	Postsecondary Teachers, All Other	71	84	13	18.3%	1	2	3	Doctoral degree
51-8013	Power Plant Operators	30	26	-4	-13.3%	0	1	1	Long-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	42	31	-11	-26.2%	0	1	1	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	86	68	-18	-20.9%	0	2	2	Long-term on-the-job training
25-2011	Preschool Teachers, Except Special Education	224	252	28	12.5%	3	3	6	Postsecondary vocational award
51-6021	Pressers, Textile, Garment, and Related Materials	14	12	-2	-14.3%	0	0	0	Short-term on-the-job training

**Employment and Job Openings for All Occupations in Western 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	
51-5023	Printing Machine Operators	204	198	-6	-2.9%	0	5	5	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	15	18	3	20.0%	0	0	0	Work experience in a related occupation
21-1092	Probation Officers and Correctional Treatment Specialists	24	25	1	4.2%	0	0	0	Bachelor's degree
43-3061	Procurement Clerks	17	15	-2	-11.8%	0	0	0	Short-term on-the-job training
27-2012	Producers and Directors	21	21	0	0.0%	0	0	0	Bachelor's degree plus work experience
51-9199	Production Workers, All Other	596	466	-130	-21.8%	0	14	14	Moderate-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	107	104	-3	-2.8%	0	3	3	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	21	17	-4	-19.0%	0	0	0	Short-term on-the-job training
11-9141	Property, Real Estate, and Community Association Managers	88	100	12	13.6%	1	2	3	Bachelor's degree
33-9099	Protective Service Workers, All Other	50	58	8	16.0%	1	4	5	Short-term on-the-job training
31-1013	Psychiatric Aides	19	25	6	31.6%	1	0	1	Short-term on-the-job training
29-2053	Psychiatric Technicians	19	24	5	26.3%	1	0	1	Moderate-term on-the-job training
29-1066	Psychiatrists	27	32	5	18.5%	1	0	1	First Professional degree
25-1066	Psychology Teachers, Postsecondary	13	17	4	30.8%	0	0	0	Doctoral degree
11-2031	Public Relations Managers	38	46	8	21.1%	1	1	2	Bachelor's degree plus work experience
27-3031	Public Relations Specialists	54	71	17	31.5%	2	1	3	Bachelor's degree
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	99	109	10	10.1%	1	3	4	Work experience in a related occupation
11-3061	Purchasing Managers	57	54	-3	-5.3%	0	1	1	Bachelor's degree plus work experience
29-2034	Radiologic Technologists and Technicians	99	119	20	20.2%	2	2	4	Associate degree
41-9021	Real Estate Brokers	94	106	12	12.8%	1	2	3	Work experience in a related occupation
41-9022	Real Estate Sales Agents	50	59	9	18.0%	1	1	2	Postsecondary vocational award
43-4171	Receptionists and Information Clerks	509	608	99	19.4%	10	13	23	Short-term on-the-job training
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	11	15	4	36.4%	0	0	0	Master's degree
39-9032	Recreation Workers	141	174	33	23.4%	3	3	6	Bachelor's degree
29-1125	Recreational Therapists	22	23	1	4.5%	0	1	1	Bachelor's degree
49-3092	Recreational Vehicle Service Technicians	13	19	6	46.2%	1	1	2	Long-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	80	80	0	0.0%	0	2	2	Short-term on-the-job training
29-1111	Registered Nurses	1,651	2,041	390	23.6%	39	35	74	Associate degree
21-1015	Rehabilitation Counselors	156	207	51	32.7%	5	4	9	Master's degree
39-9041	Residential Advisors	77	103	26	33.8%	3	2	5	Moderate-term on-the-job training
29-1126	Respiratory Therapists	50	68	18	36.0%	2	2	4	Associate degree

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41-2031	Retail Salespersons	2,265	2,448	183	8.1%	18	82	100	Short-term on-the-job training
49-9096	Riggers	13	18	5	38.5%	1	0	1	Short-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	15	12	-3	-20.0%	0	0	0	Moderate-term on-the-job training
47-2181	Roofers	75	74	-1	-1.3%	0	2	2	Moderate-term on-the-job training
53-5011	Sailors and Marine Oilers	16	22	6	37.5%	1	1	2	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	288	345	57	19.8%	6	6	12	Moderate-term on-the-job training
41-9031	Sales Engineers	18	16	-2	-11.1%	0	1	1	Bachelor's degree
11-2022	Sales Managers	160	177	17	10.6%	2	3	5	Bachelor's degree plus work experience
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	93	108	15	16.1%	2	2	4	Moderate-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	667	711	44	6.6%	4	18	22	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	225	171	-54	-24.0%	0	6	6	Moderate-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	989	992	3	0.3%	0	28	28	Bachelor's degree
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other	86	78	-8	-9.3%	0	2	2	Short-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	1,300	1,169	-131	-10.1%	0	25	25	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	52	62	10	19.2%	1	1	2	Bachelor's degree
33-9032	Security Guards	295	308	13	4.4%	1	6	7	Short-term on-the-job training
25-3021	Self-Enrichment Education Teachers	117	181	64	54.7%	6	1	7	Work experience in a related occupation
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	60	51	-9	-15.0%	0	2	2	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	11	11	0	0.0%	0	0	0	Moderate-term on-the-job training
53-6031	Service Station Attendants	173	182	9	5.2%	1	8	9	Short-term on-the-job training
51-6051	Sewers, Hand	104	52	-52	-50.0%	0	2	2	Short-term on-the-job training
51-6031	Sewing Machine Operators	234	161	-73	-31.2%	0	3	3	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	112	110	-2	-1.8%	0	3	3	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	499	455	-44	-8.8%	0	10	10	Short-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	89	46	-43	-48.3%	0	3	3	Long-term on-the-job training
51-6042	Shoe Machine Operators and Tenders	112	44	-68	-60.7%	0	2	2	Moderate-term on-the-job training
39-5094	Skin Care Specialists	12	13	1	8.3%	0	0	0	Postsecondary vocational award
11-9151	Social and Community Service Managers	155	200	45	29.0%	5	3	8	Bachelor's degree
21-1093	Social and Human Service Assistants	482	767	285	59.1%	29	9	38	Moderate-term on-the-job training
19-3099	Social Scientists and Related Workers, All Other	11	12	1	9.1%	0	0	0	Master's degree
25-2042	Special Education Teachers, Middle School	87	98	11	12.6%	1	2	3	Bachelor's degree

**Employment and Job Openings for All Occupations in Western 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	
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	218	242	24	11.0%	2	5	7	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	112	124	12	10.7%	1	3	4	Bachelor's degree
29-1127	Speech-Language Pathologists	101	116	15	14.9%	2	3	5	Master's degree
51-8021	Stationary Engineers and Boiler Operators	98	79	-19	-19.4%	0	2	2	Long-term on-the-job training
43-9111	Statistical Assistants	11	9	-2	-18.2%	0	0	0	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	876	804	-72	-8.2%	0	32	32	Short-term on-the-job training
47-2022	Stonemasons	21	20	-1	-4.8%	0	0	0	Long-term on-the-job training
47-2221	Structural Iron and Steel Workers	29	29	0	0.0%	0	1	1	Long-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	15	12	-3	-20.0%	0	0	0	Moderate-term on-the-job training
21-1011	Substance Abuse and Behavioral Disorder Counselors	68	79	11	16.2%	1	2	3	Master's degree
29-1067	Surgeons	53	64	11	20.8%	1	1	2	First Professional degree
29-2055	Surgical Technologists	42	54	12	28.6%	1	1	2	Postsecondary vocational award
17-3031	Surveying and Mapping Technicians	22	25	3	13.6%	0	1	1	Moderate-term on-the-job training
17-1022	Surveyors	17	16	-1	-5.9%	0	1	1	Bachelor's degree
43-2011	Switchboard Operators, Including Answering Service	140	125	-15	-10.7%	0	4	4	Short-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	16	13	-3	-18.8%	0	0	0	Long-term on-the-job training
47-2082	Tapers	10	10	0	0.0%	0	0	0	Moderate-term on-the-job training
13-2081	Tax Examiners, Collectors, and Revenue Agents	24	27	3	12.5%	0	1	1	Bachelor's degree
13-2082	Tax Preparers	93	99	6	6.5%	1	2	3	Moderate-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	90	110	20	22.2%	2	1	3	Short-term on-the-job training
25-9041	Teacher Assistants	1,245	1,300	55	4.4%	6	24	30	Short-term on-the-job training
25-3999	Teachers, Primary, Secondary, and Adult, All Other	435	524	89	20.5%	9	5	14	Bachelor's degree
51-2092	Team Assemblers	567	422	-145	-25.6%	0	15	15	Moderate-term on-the-job training
27-3042	Technical Writers	30	38	8	26.7%	1	1	2	Bachelor's degree
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	70	65	-5	-7.1%	0	1	1	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	36	33	-3	-8.3%	0	1	1	Long-term on-the-job training
41-9041	Telemarketers	676	653	-23	-3.4%	0	11	11	Short-term on-the-job training
43-3071	Tellers	657	689	32	4.9%	3	32	35	Short-term on-the-job training
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23	14	-9	-39.1%	0	1	1	Moderate-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	106	71	-35	-33.0%	0	1	1	Long-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	85	60	-25	-29.4%	0	2	2	Moderate-term on-the-job training

**Employment and Job Openings for All Occupations in Western Maine in 2002 and Projected 2012**  
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		2002	2012	Net	Percent	Growth	Replacement	Total	
47-2044	Tile and Marble Setters	13	13	0	0.0%	0	0	0	Long-term on-the-job training
49-3093	Tire Repairers and Changers	62	68	6	9.7%	1	3	4	Short-term on-the-job training
23-2093	Title Examiners, Abstractors, and Searchers	16	13	-3	-18.8%	0	0	0	Moderate-term on-the-job training
51-4111	Tool and Die Makers	20	16	-4	-20.0%	0	1	1	Long-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	22	16	-6	-27.3%	0	1	1	Moderate-term on-the-job training
39-6021	Tour Guides and Escorts	44	57	13	29.5%	1	1	2	Moderate-term on-the-job training
13-1073	Training and Development Specialists	109	125	16	14.7%	2	2	4	Bachelor's degree
53-6099	Transportation Workers, All Other	17	19	2	11.8%	0	1	1	Short-term on-the-job training
11-3071	Transportation, Storage, and Distribution Managers	60	64	4	6.7%	0	1	1	Work experience in a related occupation
41-3041	Travel Agents	20	16	-4	-20.0%	0	0	0	Postsecondary vocational award
37-3013	Tree Trimmers and Pruners	45	47	2	4.4%	0	1	1	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,390	1,469	79	5.7%	8	23	31	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	630	695	65	10.3%	7	6	13	Short-term on-the-job training
27-2023	Umpires, Referees, and Other Sports Officials	23	32	9	39.1%	1	0	1	Long-term on-the-job training
51-6093	Upholsterers	27	24	-3	-11.1%	0	1	1	Long-term on-the-job training
19-3051	Urban and Regional Planners	10	11	1	10.0%	0	0	0	Master's degree
39-3031	Ushers, Lobby Attendants, and Ticket Takers	29	37	8	27.6%	1	2	3	Short-term on-the-job training
29-1131	Veterinarians	38	46	8	21.1%	1	1	2	First Professional degree
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	25	31	6	24.0%	1	1	2	Short-term on-the-job training
29-2056	Veterinary Technologists and Technicians	35	49	14	40.0%	1	1	2	Associate degree
25-2023	Vocational Education Teachers, Middle School	13	12	-1	-7.7%	0	0	0	Bachelor's degree plus work experience
25-1194	Vocational Education Teachers, Postsecondary	48	56	8	16.7%	1	1	2	Work experience in a related occupation
25-2032	Vocational Education Teachers, Secondary School	42	39	-3	-7.1%	0	1	1	Bachelor's degree plus work experience
35-3031	Waiters and Waitresses	1,100	1,228	128	11.6%	13	57	70	Short-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	105	98	-7	-6.7%	0	4	4	Long-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25	25	0	0.0%	0	1	1	Short-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	141	141	0	0.0%	0	4	4	Long-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	38	34	-4	-10.5%	0	1	1	Moderate-term on-the-job training
13-1022	Wholesale and Retail Buyers, Except Farm Products	117	118	1	0.9%	0	3	3	Work experience in a related occupation
51-7099	Woodworkers, All Other	78	56	-22	-28.2%	0	2	2	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	361	262	-99	-27.4%	0	10	10	Moderate-term on-the-job training

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43-9022	Word Processors and Typists	124	66	-58	-46.8%	0	3	3	Moderate-term on-the-job training
27-3043	Writers and Authors	84	98	14	16.7%	1	1	2	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

# MAINE

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