

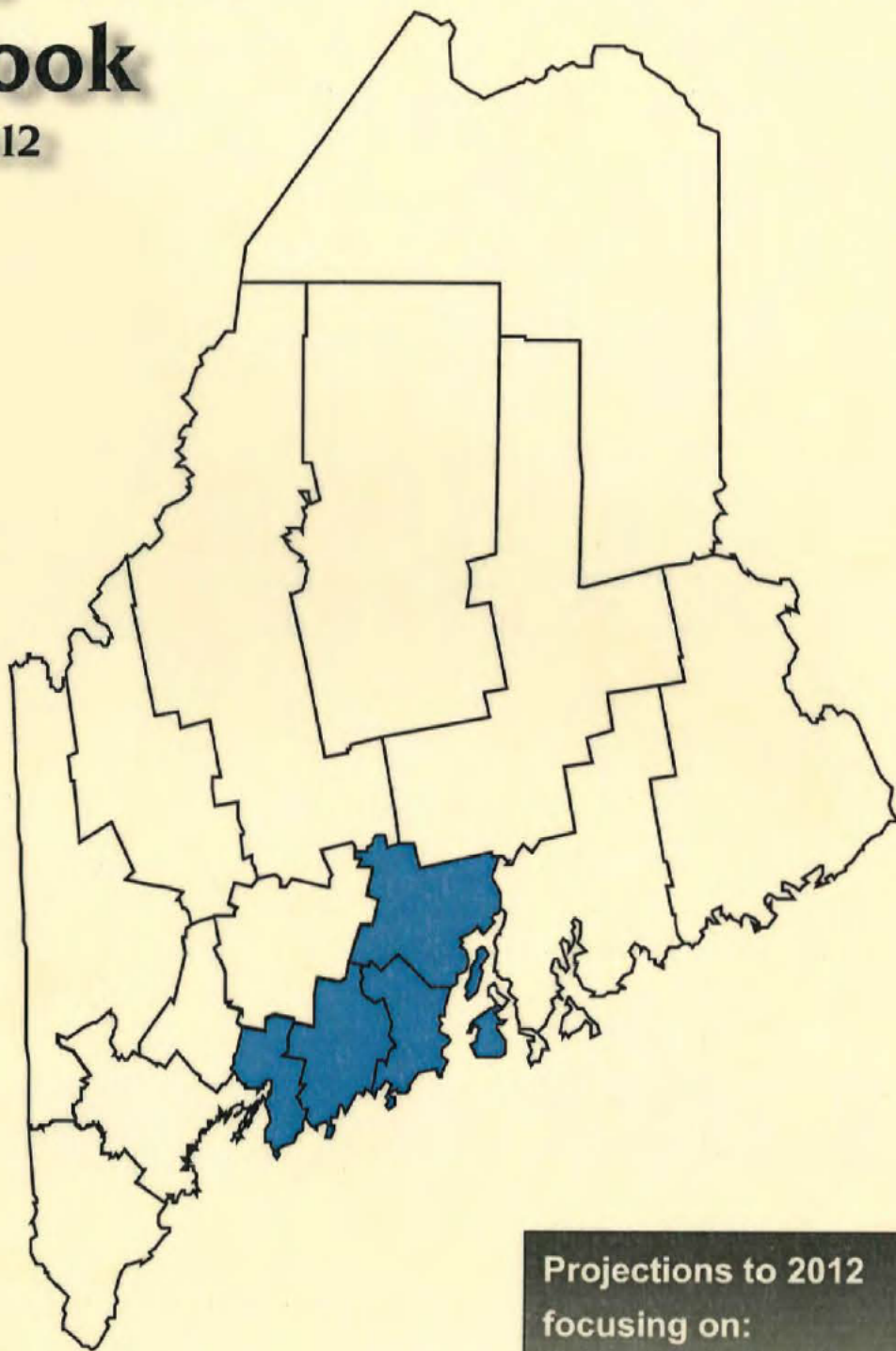
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# Coastal Maine Employment Outlook to 2012



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**LABOR**  
*Labor Market Information*

## Projections to 2012

focusing on:

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



# Coastal Maine Employment Outlook

## 2002 to 2012

*Industrial and Occupational Employment Projections  
For Sagadahoc, Lincoln, Knox, and Waldo Counties*

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

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

### **Projection Highlights**

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

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

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Division of Labor Market Information Services  
Maine Department of Labor



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**Industry Employment  
2002 and Projected 2012**



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

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
<b>Total Employment</b>	<b>63,767</b>	<b>74,210</b>	<b>10,873</b>	<b>17.2%</b>
<b>Self-Employed, Private Household, and Unpaid Family Workers</b>	<b>7,766</b>	<b>8,783</b>	<b>1,017</b>	<b>13.1%</b>
<b>Wage and Salary Jobs</b>	<b>55,481</b>	<b>65,337</b>	<b>9,856</b>	<b>17.8%</b>
<b>Total Private</b>	<b>47,163</b>	<b>55,585</b>	<b>8,422</b>	<b>17.9%</b>
<b>Goods-Producing Industries</b>	<b>13,974</b>	<b>13,879</b>	<b>-95</b>	<b>-0.7%</b>
<b>Natural Resources and Mining</b>	<b>426</b>	<b>575</b>	<b>149</b>	<b>34.9%</b>
<b>Agriculture, Forestry, Fishing and Hunting</b>	<b>414</b>	<b>563</b>	<b>149</b>	<b>35.9%</b>
Crop production	87	107	20	23.4%
Animal production	54	74	20	37.8%
Forestry and logging	40	45	5	11.3%
Fishing, hunting and trapping	203	306	103	50.7%
Agriculture and forestry support activities	ND	ND	ND	ND
<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>3,039</b>	<b>3,608</b>	<b>569</b>	<b>18.7%</b>
Construction of buildings	992	1,075	83	8.4%
Heavy and civil engineering construction	490	712	222	45.4%
Specialty trade contractors	1,557	1,820	263	16.9%
<b>Manufacturing</b>	<b>10,509</b>	<b>9,696</b>	<b>-813</b>	<b>-7.7%</b>
<b>Durable Goods</b>	<b>9,215</b>	<b>8,477</b>	<b>-738</b>	<b>-8.0%</b>
Wood product manufacturing	583	526	-57	-9.7%
Nonmetallic mineral product manufacturing	405	424	19	4.8%
Primary metal manufacturing	ND	ND	ND	ND
Fabricated metal product manufacturing	426	450	24	5.6%
Machinery manufacturing	244	264	20	8.0%
Computer and electronic product manufacturing	226	241	15	6.7%
Electrical equipment and appliance mfg.	ND	ND	ND	ND
Transportation equipment manufacturing	6,746	5,991	-755	-11.2%
Furniture and related product manufacturing	188	181	-7	-3.9%
Miscellaneous manufacturing	242	224	-18	-7.5%
<b>Nondurable Goods</b>	<b>1,294</b>	<b>1,219</b>	<b>-75</b>	<b>-5.8%</b>
Food manufacturing	624	619	-5	-0.7%
Beverage and tobacco product manufacturing	ND	ND	ND	ND
Textile mills	ND	ND	ND	ND
Textile product mills	ND	ND	ND	ND
Apparel manufacturing	ND	ND	ND	ND
Leather and allied product manufacturing	ND	ND	ND	ND
Paper manufacturing	ND	ND	ND	ND
Printing and related support activities	75	79	4	5.2%
Petroleum and coal products manufacturing	ND	ND	ND	ND
Chemical manufacturing	286	275	-11	-3.7%

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

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
Plastics and rubber products manufacturing	32	29	-3	-8.3%
<b>Service-Providing Industries</b>	<b>41,507</b>	<b>51,458</b>	<b>9,951</b>	<b>24.0%</b>
<b>Trade, Transportation, and Utilities</b>	<b>9,458</b>	<b>11,513</b>	<b>2,055</b>	<b>21.7%</b>
<b>Wholesale Trade</b>	<b>802</b>	<b>932</b>	<b>130</b>	<b>16.3%</b>
Merchant wholesalers, durable goods	ND	ND	ND	ND
Merchant wholesalers, nondurable goods	400	436	36	9.1%
Electronic markets and agents and brokers	ND	ND	ND	ND
<b>Retail Trade</b>	<b>7,569</b>	<b>9,294</b>	<b>1,725</b>	<b>22.8%</b>
Motor vehicle and parts dealers	1,051	1,391	340	32.3%
Furniture and home furnishings stores	171	212	41	24.0%
Electronics and appliance stores	124	164	40	32.0%
Building material and garden supply stores	764	969	205	26.8%
Food and beverage stores	2,124	2,626	502	23.6%
Health and personal care stores	295	338	43	14.7%
Gasoline stations	747	907	160	21.5%
Clothing and clothing accessories stores	296	299	3	1.0%
Sporting goods, hobby, book and music stores	237	278	41	17.2%
General merchandise stores	662	721	59	9.0%
Miscellaneous store retailers	609	777	168	27.6%
Nonstore retailers	489	612	123	25.2%
<b>Transportation and Warehousing</b>	<b>871</b>	<b>1,064</b>	<b>193</b>	<b>22.2%</b>
Air transportation	ND	ND	ND	ND
Rail transportation	ND	ND	ND	ND
Water transportation	40	52	12	28.9%
Truck transportation	312	358	46	14.8%
Transit and ground passenger transportation	139	196	57	41.3%
Pipeline transportation	ND	ND	ND	ND
Scenic and sightseeing transportation	107	151	44	40.8%
Support activities for transportation	134	151	17	13.0%
Couriers and messengers	63	76	13	20.7%
Warehousing and storage	39	45	6	16.1%
<b>Utilities</b>	<b>216</b>	<b>222</b>	<b>6</b>	<b>2.8%</b>
<b>Information</b>	<b>755</b>	<b>882</b>	<b>127</b>	<b>16.8%</b>
Publishing industries, except Internet	371	440	69	18.5%
Motion picture and sound recording industries	91	139	48	53.1%
Broadcasting, except Internet	ND	ND	ND	ND
Internet publishing and broadcasting	ND	ND	ND	ND
Telecommunications	192	177	-15	-7.6%
ISPs, search portals, and data processing	20	21	1	6.3%
Other Information Services	55	73	18	32.0%
<b>Financial Activities</b>	<b>4,421</b>	<b>5,066</b>	<b>645</b>	<b>14.6%</b>

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

Industry	Average Employment		Employment Change	
	2002	2012	Net	Percent
<b>Finance and Insurance</b>	<b>4,046</b>	<b>4,585</b>	<b>539</b>	<b>13.3%</b>
Credit intermediation and related activities	3,756	4,235	479	12.8%
Securities, commodity contracts, investments	ND	ND	ND	ND
Insurance carriers and related activities	248	288	40	16.1%
Funds, trusts, and other financial vehicles	ND	ND	ND	ND
<b>Real Estate and Rental and Leasing</b>	<b>375</b>	<b>481</b>	<b>106</b>	<b>28.4%</b>
Real estate	223	282	59	26.2%
Rental and leasing services	152	200	48	31.5%
<b>Professional and Business Services</b>	<b>3,208</b>	<b>3,990</b>	<b>782</b>	<b>24.4%</b>
Professional and technical services	1,424	1,748	324	22.7%
Management of companies and enterprises	273	294	21	7.7%
Administrative and support services	1,381	1,799	418	30.3%
Waste management and remediation services	130	149	19	14.3%
<b>Education and Health Services</b>	<b>7,308</b>	<b>10,145</b>	<b>2,837</b>	<b>38.8%</b>
Educational services	802	1,096	294	36.7%
<b>Health Care and Social Assistance</b>	<b>6,506</b>	<b>9,049</b>	<b>2,543</b>	<b>39.1%</b>
Ambulatory health care services	1,672	2,394	722	43.2%
Hospitals	1,655	2,191	536	32.4%
Nursing and residential care facilities	2,156	3,013	857	39.8%
Social assistance	1,023	1,451	428	41.9%
<b>Leisure and Hospitality</b>	<b>6,146</b>	<b>7,702</b>	<b>1,556</b>	<b>25.3%</b>
<b>Arts, Entertainment, and Recreation</b>	<b>827</b>	<b>1,186</b>	<b>359</b>	<b>43.4%</b>
Performing arts and spectator sports	64	85	21	33.3%
Museums, historical sites, zoos, and parks	151	159	8	5.6%
Amusements, gambling, and recreation	612	942	330	53.8%
<b>Accommodation and Food Services</b>	<b>5,319</b>	<b>6,516</b>	<b>1,197</b>	<b>22.5%</b>
Accommodation	1,389	1,421	32	2.3%
Food services and drinking places	3,930	5,095	1,165	29.6%
<b>Other Services</b>	<b>1,893</b>	<b>2,408</b>	<b>515</b>	<b>27.2%</b>
Repair and maintenance	454	574	120	26.4%
Personal and laundry services	373	552	179	48.1%
Membership associations and organizations	584	762	178	30.5%
Private households	482	520	38	7.8%
<b>Government</b>	<b>8,318</b>	<b>9,752</b>	<b>1,434</b>	<b>17.2%</b>
Federal	703	806	103	14.7%
State	1,026	1,161	135	13.2%
Local	6,589	7,785	1,196	18.2%

ND: Not Discloseable.

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

<b>Industries Expected to Gain 40 or More Jobs</b>		<b>Industries Expected to Lose Jobs</b>	
Local Government	1,196	Transportation equipment manufacturing	-755
Food services and drinking places	1,165	Wood product manufacturing	-57
Nursing and residential care facilities	857	Miscellaneous manufacturing	-18
Ambulatory health care services	722	Telecommunications	-15
Hospitals	536	Chemical manufacturing	-11
Food and beverage stores	502	Furniture and related product manufacturing	-7
Credit intermediation and related activities	479	Food manufacturing	-5
Social assistance	428	Plastics and rubber products manufacturing	-3
Administrative and support services	418		
Motor vehicle and parts dealers	340		
Amusements, gambling, and recreation	330		
Professional and technical services	324		
Educational services	294		
Specialty trade contractors	263		
Heavy and civil engineering construction	222		
Building material and garden supply stores	205		
Personal and laundry services	179		
Membership associations and organizations	178		
Miscellaneous store retailers	168		
Gasoline stations	160		
State Government	135		
Nonstore retailers	123		
Repair and maintenance	120		
Federal Government	103		
Fishing, hunting and trapping	103		
Construction of buildings	83		
Publishing industries, except Internet	69		
General merchandise stores	59		
Real estate	59		
Transit and ground passenger transportation	57		
Motion picture and sound recording industries	48		
Rental and leasing services	48		
Truck transportation	46		
Scenic and sightseeing transportation	44		
Health and personal care stores	43		
Furniture and home furnishings stores	41		
Sporting goods, hobby, book and music stores	41		
Insurance carriers and related activities	40		
Electronics and appliance stores	40		

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

<b>Industries Expected to Gain Jobs by 15 Percent or More</b>		<b>Industries Expected to Lose Jobs</b>	
Amusements, gambling, and recreation	53.8%	Transportation equipment manufacturing	-11.2%
Motion picture and sound recording industries	53.1%	Wood product manufacturing	-9.7%
Fishing, hunting and trapping	50.7%	Plastics and rubber products manufacturing	-8.3%
Personal and laundry services	48.1%	Telecommunications	-7.6%
Heavy and civil engineering construction	45.4%	Miscellaneous manufacturing	-7.5%
Ambulatory health care services	43.2%	Furniture and related product manufacturing	-3.9%
Social assistance	41.9%	Chemical manufacturing	-3.7%
Transit and ground passenger transportation	41.3%	Food manufacturing	-0.7%
Scenic and sightseeing transportation	40.8%		
Nursing and residential care facilities	39.8%		
Animal production	37.8%		
Educational services	36.7%		
Performing arts and spectator sports	33.3%		
Hospitals	32.4%		
Motor vehicle and parts dealers	32.3%		
Other Information Services	32.0%		
Electronics and appliance stores	32.0%		
Rental and leasing services	31.5%		
Membership associations and organizations	30.5%		
Administrative and support services	30.3%		
Food services and drinking places	29.6%		
Water transportation	28.9%		
Miscellaneous store retailers	27.6%		
Building material and garden supply stores	26.8%		
Repair and maintenance	26.4%		
Real estate	26.2%		
Nonstore retailers	25.2%		
Furniture and home furnishings stores	24.0%		
Food and beverage stores	23.6%		
Crop production	23.4%		
Professional, Scientific and Tech Services	22.7%		
Gasoline stations	21.5%		
Couriers and messengers	20.7%		
Publishing industries, except Internet	18.5%		
Local Government	18.2%		
Sporting goods, hobby, book and music stores	17.2%		
Specialty trade contractors	16.9%		
Insurance carriers and related activities	16.1%		
Warehousing and storage	16.1%		





**Occupational Employment  
2002 and Projected 2012**



**Employment by Occupational Group in Coastal 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>	63,767	74,210	10,443	16.4%	1,135	1,522	2,657
Management, Business and Financial Occupations	5,548	6,699	1,151	20.7%	117	101	218
Management Occupations	3,722	4,425	703	18.9%	72	68	140
Business and Financial Operations Occupations	1,826	2,274	448	24.5%	45	33	78
Professional and Related Occupations	11,054	13,692	2,638	23.9%	279	221	500
Computer and Mathematical Occupations	336	437	101	30.1%	10	4	14
Architecture and Engineering Occupations	1,403	1,326	-77	-5.5%	7	33	40
Life, Physical, and Social Science Occupations	350	442	92	26.3%	9	8	17
Community and Social Services Occupations	1,204	1,705	501	41.6%	50	23	73
Legal Occupations	310	388	78	25.2%	8	4	12
Education, Training, and Library Occupations	4,340	5,175	835	19.2%	84	91	175
Arts, Design, Entertainment, Sports, and Media Occupations	725	921	196	27.0%	20	14	34
Healthcare Practitioners and Technical Occupations	2,386	3,298	912	38.2%	91	44	135
Service Occupations	13,054	16,610	3,556	27.2%	356	374	730
Healthcare Support Occupations	1,610	2,251	641	39.8%	64	24	88
Protective Service Occupations	958	1,271	313	32.7%	31	26	57
Food Preparation and Serving Related Occupations	5,492	6,781	1,289	23.5%	129	216	345
Building and Grounds Cleaning and Maintenance Occupations	2,841	3,461	620	21.8%	62	57	119
Personal Care and Service Occupations	2,153	2,846	693	32.2%	70	51	121
Sales and Related Occupations	6,447	7,539	1,092	16.9%	118	201	319
Office and Administrative Support Occupations	8,204	8,985	781	9.5%	91	191	282
Farming, Fishing, and Forestry Occupations	1,798	2,058	260	14.5%	26	51	77
Construction and Extraction Occupations	6,642	6,824	182	2.7%	34	125	159
Installation, Maintenance, and Repair Occupations	2,475	2,972	497	20.1%	51	58	109
Production Occupations	5,214	5,005	-209	-4.0%	15	127	142
Transportation and Material Moving Occupations	3,331	3,826	495	14.9%	51	73	124

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

### Employment by Education/Training Requirement in Coastal 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>	63,767	74,210	100.0%	100.0%	10,443	16.4%	1,135	1,522	2,657
First Professional degree	800	1,020	1.3%	1.4%	220	27.5%	22	11	33
Doctoral degree	112	155	0.2%	0.2%	43	38.4%	2	1	3
Master's degree	818	1,073	1.3%	1.4%	255	31.2%	25	18	43
Bachelor's degree plus work experience	2,639	3,224	4.1%	4.3%	585	22.2%	59	47	106
Bachelor's degree	6,437	7,732	10.1%	10.4%	1,295	20.1%	133	126	259
Associate degree	1,784	2,381	2.8%	3.2%	597	33.5%	61	34	95
Postsecondary vocational award	2,668	3,146	4.2%	4.2%	478	17.9%	57	58	115
Work experience in a related occupation	4,904	5,789	7.7%	7.8%	885	18.0%	91	103	194
Long-term on-the-job training	6,979	7,582	10.9%	10.2%	603	8.6%	67	145	212
Moderate-term on-the-job training	13,652	14,974	21.4%	20.2%	1,322	9.7%	172	284	456
Short-term on-the-job training	22,974	27,134	36.0%	36.6%	4,160	18.1%	435	674	1,109

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

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

SOC Code	Occupation	Average Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Growth	Replacement	Total	
41-2011	Cashiers	1,662	2,060	40	81	121	Short-term on-the-job training
35-3031	Waiters and Waitresses	1,153	1,445	29	59	88	Short-term on-the-job training
41-2031	Retail Salespersons	1,476	1,707	23	54	77	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	992	1,297	31	43	74	Short-term on-the-job training
45-3011	Fishers and Related Fishing Workers	1,484	1,663	18	42	60	Moderate-term on-the-job training
29-1111	Registered Nurses	885	1,230	35	19	54	Associate degree
47-2031	Carpenters	2,023	2,113	9	33	42	Long-term on-the-job training
35-2021	Food Preparation Workers	652	844	19	23	42	Short-term on-the-job training
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,064	1,275	21	20	41	Short-term on-the-job training
39-9011	Child Care Workers	823	1,003	18	22	40	Short-term on-the-job training
11-1021	General and Operations Managers	1,006	1,218	21	19	40	Bachelor's degree plus work experience
37-2012	Maids and Housekeeping Cleaners	1,020	1,200	18	21	39	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	819	1,027	21	15	36	Work experience in a related occupation
25-9041	Teacher Assistants	913	1,071	16	18	34	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	804	1,019	22	11	33	Short-term on-the-job training
43-9061	Office Clerks, General	1,047	1,124	8	23	31	Short-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	737	835	10	21	31	Bachelor's degree
53-3032	Truck Drivers, Heavy and Tractor-Trailer	835	992	16	14	30	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	532	706	17	12	29	Short-term on-the-job training
31-1011	Home Health Aides	386	593	21	5	26	Short-term on-the-job training
25-2021	Elementary School Teachers, Except Special Education	765	841	8	17	25	Bachelor's degree
39-9021	Personal and Home Care Aides	360	537	18	6	24	Short-term on-the-job training
21-1093	Social and Human Service Assistants	259	452	19	5	24	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	433	533	10	13	23	Long-term on-the-job training
43-4051	Customer Service Representatives	629	770	14	9	23	Moderate-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	412	521	11	11	22	Postsecondary vocational award
43-3031	Bookkeeping, Accounting, and Auditing Clerks	790	864	7	15	22	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	522	533	1	19	20	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	504	520	2	17	19	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	317	431	11	8	19	Short-term on-the-job training
49-9042	Maintenance and Repair Workers, General	537	616	8	10	18	Moderate-term on-the-job training
43-3071	Tellers	256	303	5	13	18	Short-term on-the-job training
35-9021	Dishwashers	358	405	5	12	17	Short-term on-the-job training
47-2111	Electricians	736	756	2	15	17	Long-term on-the-job training
41-9041	Telemarketers	1,041	959	0	17	17	Short-term on-the-job training
43-3011	Bill and Account Collectors	376	466	9	7	16	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	173	226	5	11	16	Short-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	446	501	6	10	16	Work experience in a related occupation
47-2141	Painters, Construction and Maintenance	1,044	980	0	16	16	Moderate-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	817	818	0	16	16	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	551	533	0	16	16	Long-term on-the-job training

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

SOC Code	Occupation	Average Employment		Net Growth	Education/Training Requirement
		2002	2012		
41-2011	Cashiers	1,662	2,060	398	Short-term on-the-job training
29-1111	Registered Nurses	885	1,230	345	Associate degree
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	992	1,297	305	Short-term on-the-job training
35-3031	Waiters and Waitresses	1,153	1,445	292	Short-term on-the-job training
41-2031	Retail Salespersons	1,476	1,707	231	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	804	1,019	215	Short-term on-the-job training
11-1021	General and Operations Managers	1,006	1,218	212	Bachelor's degree plus work experience
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,064	1,275	211	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	819	1,027	208	Work experience in a related occupation
31-1011	Home Health Aides	386	593	207	Short-term on-the-job training
21-1093	Social and Human Service Assistants	259	452	193	Moderate-term on-the-job training
35-2021	Food Preparation Workers	652	844	192	Short-term on-the-job training
39-9011	Child Care Workers	823	1,003	180	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	1,020	1,200	180	Short-term on-the-job training
45-3011	Fishers and Related Fishing Workers	1,484	1,663	179	Moderate-term on-the-job training
39-9021	Personal and Home Care Aides	360	537	177	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	532	706	174	Short-term on-the-job training
25-9041	Teacher Assistants	913	1,071	158	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	835	992	157	Moderate-term on-the-job training
43-4051	Customer Service Representatives	629	770	141	Moderate-term on-the-job training
25-3021	Self-Enrichment Education Teachers	152	267	115	Work experience in a related occupation
43-4171	Receptionists and Information Clerks	317	431	114	Short-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	412	521	109	Postsecondary vocational award
35-2014	Cooks, Restaurant	433	533	100	Long-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	737	835	98	Bachelor's degree
33-3051	Police and Sheriff's Patrol Officers	188	281	93	Long-term on-the-job training
43-3011	Bill and Account Collectors	376	466	90	Short-term on-the-job training
47-2031	Carpenters	2,023	2,113	90	Long-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	313	402	89	Short-term on-the-job training
31-9092	Medical Assistants	114	201	87	Moderate-term on-the-job training
49-9042	Maintenance and Repair Workers, General	537	616	79	Moderate-term on-the-job training
43-9061	Office Clerks, General	1,047	1,124	77	Short-term on-the-job training
25-2021	Elementary School Teachers, Except Special Education	765	841	76	Bachelor's degree
43-3031	Bookkeeping, Accounting, and Auditing Clerks	790	864	74	Moderate-term on-the-job training
33-2011	Fire Fighters	174	245	71	Long-term on-the-job training
13-2072	Loan Officers	313	384	71	Bachelor's degree
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	323	393	70	Work experience in a related occupation
39-5012	Hairdressers, Hairstylists, and Cosmetologists	293	359	66	Postsecondary vocational award
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	275	335	60	Work experience in a related occupation
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	181	241	60	Long-term on-the-job training

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

SOC Code	Occupation	Average Employment		Growth Rate	Education/Training Requirement
		2002	2012		
31-9092	Medical Assistants	114	201	76.3%	Moderate-term on-the-job training
25-3021	Self-Enrichment Education Teachers	152	267	75.7%	Work experience in a related occupation
21-1093	Social and Human Service Assistants	259	452	74.5%	Moderate-term on-the-job training
29-2071	Medical Records and Health Information Technicians	60	103	71.7%	Associate degree
39-1021	First-Line Supervisors/Managers of Personal Service Workers	61	95	55.7%	Work experience in a related occupation
31-1011	Home Health Aides	386	593	53.6%	Short-term on-the-job training
29-1123	Physical Therapists	70	105	50.0%	Master's degree
33-3051	Police and Sheriff's Patrol Officers	188	281	49.5%	Long-term on-the-job training
39-9021	Personal and Home Care Aides	360	537	49.2%	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	115	171	48.7%	Postsecondary vocational award
39-3091	Amusement and Recreation Attendants	81	120	48.1%	Short-term on-the-job training
21-1023	Mental Health and Substance Abuse Social Workers	97	143	47.4%	Master's degree
31-9091	Dental Assistants	88	126	43.2%	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	81	115	42.0%	Moderate-term on-the-job training
11-9151	Social and Community Service Managers	91	129	41.8%	Bachelor's degree
53-3021	Bus Drivers, Transit and Intercity	60	85	41.7%	Moderate-term on-the-job training
19-3031	Clinical, Counseling, and School Psychologists	58	82	41.4%	Doctoral degree
29-2021	Dental Hygienists	97	137	41.2%	Associate degree
21-1015	Rehabilitation Counselors	112	158	41.1%	Master's degree
33-2011	Fire Fighters	174	245	40.8%	Long-term on-the-job training
39-9032	Recreation Workers	101	142	40.6%	Bachelor's degree
29-1111	Registered Nurses	885	1,230	39.0%	Associate degree
29-1051	Pharmacists	70	97	38.6%	First Professional degree
11-9111	Medical and Health Services Managers	96	133	38.5%	Bachelor's degree plus work experience
11-9141	Property, Real Estate, and Community Association Managers	54	74	37.0%	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	57	78	36.8%	Bachelor's degree
11-3021	Computer and Information Systems Managers	63	86	36.5%	Bachelor's degree plus work experience
33-3012	Correctional Officers and Jailers	121	165	36.4%	Moderate-term on-the-job training
43-4171	Receptionists and Information Clerks	317	431	36.0%	Short-term on-the-job training
21-1014	Mental Health Counselors	59	80	35.6%	Master's degree
29-1062	Family and General Practitioners	51	69	35.3%	First Professional degree
13-1073	Training and Development Specialists	71	96	35.2%	Bachelor's degree
15-1051	Computer Systems Analysts	66	89	34.8%	Bachelor's degree
29-2041	Emergency Medical Technicians and Paramedics	113	152	34.5%	Postsecondary vocational award
45-2093	Radiologic Technologists and Technicians	50	67	34.0%	Short-term on-the-job training
29-2034	Sales Managers	50	67	34.0%	Associate degree
11-2022	Child, Family, and School Social Workers	121	162	33.9%	Bachelor's degree plus work experience
21-1021	Musicians and Singers	137	183	33.6%	Bachelor's degree
27-2042	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	51	68	33.3%	Long-term on-the-job training
49-9021		181	241	33.1%	Long-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 Coastal Maine Between 2002 and 2012**

SOC Code	Occupation	Average Employment		Net Decline	Education/Training Requirement
		2002	2012		
17-3013	Mechanical Drafters	464	366	-98	Postsecondary vocational award
41-9041	Telemarketers	1,041	959	-82	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	408	331	-77	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	401	327	-74	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	1,044	980	-64	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	543	505	-38	Long-term on-the-job training
43-9022	Word Processors and Typists	98	61	-37	Moderate-term on-the-job training
51-2092	Team Assemblers	277	246	-31	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	167	136	-31	Moderate-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	343	314	-29	Short-term on-the-job training
47-2130	Insulation Workers	221	193	-28	Moderate-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	573	550	-23	Work experience in a related occupation
47-2211	Sheet Metal Workers	307	286	-21	Moderate-term on-the-job training
51-4041	Machinists	435	416	-19	Long-term on-the-job training
43-4131	Loan Interviewers and Clerks	133	115	-18	Short-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	551	533	-18	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	77	67	-10	Moderate-term on-the-job training
11-3061	Purchasing Managers	90	81	-9	Bachelor's degree plus work experience
43-9011	Computer Operators	34	27	-7	Moderate-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	56	49	-7	Short-term on-the-job training
17-3026	Industrial Engineering Technicians	58	52	-6	Associate degree
53-7063	Machine Feeders and Offbearers	85	79	-6	Short-term on-the-job training
43-4151	Order Clerks	53	48	-5	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	177	172	-5	Short-term on-the-job training
49-9096	Riggers	104	99	-5	Short-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	86	82	-4	Long-term on-the-job training
43-9021	Data Entry Keyers	66	62	-4	Moderate-term on-the-job training
49-9044	Millwrights	53	49	-4	Long-term on-the-job training
39-2011	Animal Trainers	14	11	-3	Moderate-term on-the-job training
51-2021	Coil Winders, Tapers, and Finishers	29	26	-3	Short-term on-the-job training
51-2031	Engine and Other Machine Assemblers	20	17	-3	Short-term on-the-job training
11-9041	Engineering Managers	98	95	-3	Bachelor's degree plus work experience
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	147	144	-3	Short-term on-the-job training
43-5051	Postal Service Clerks	70	67	-3	Short-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	16	13	-3	Long-term on-the-job training
41-3041	Travel Agents	14	11	-3	Postsecondary vocational award

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

SOC Code	Occupation	Average Employment		Rate of Decline	Education/Training Requirement
		2002	2012		
43-9022	Word Processors and Typists	98	61	-37.8%	Moderate-term on-the-job training
17-3013	Mechanical Drafters	464	366	-21.1%	Postsecondary vocational award
51-2041	Structural Metal Fabricators and Fitters	408	331	-18.9%	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	167	136	-18.6%	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	401	327	-18.5%	Moderate-term on-the-job training
43-4131	Loan Interviewers and Clerks	133	115	-13.5%	Short-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	77	67	-13.0%	Moderate-term on-the-job training
47-2130	Insulation Workers	221	193	-12.7%	Moderate-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	56	49	-12.5%	Short-term on-the-job training
51-2092	Team Assemblers	277	246	-11.2%	Moderate-term on-the-job training
17-3026	Industrial Engineering Technicians	58	52	-10.3%	Associate degree
11-3061	Purchasing Managers	90	81	-10.0%	Bachelor's degree plus work experience
43-4151	Order Clerks	53	48	-9.4%	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	343	314	-8.5%	Short-term on-the-job training
41-9041	Telemarketers	1,041	959	-7.9%	Short-term on-the-job training
49-9044	Millwrights	53	49	-7.5%	Long-term on-the-job training
53-7063	Machine Feeders and Offbearers	85	79	-7.1%	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	543	505	-7.0%	Long-term on-the-job training
47-2211	Sheet Metal Workers	307	286	-6.8%	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	1,044	980	-6.1%	Moderate-term on-the-job training
43-9021	Data Entry Keyers	66	62	-6.1%	Moderate-term on-the-job training
49-9096	Riggers	104	99	-4.8%	Short-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	86	82	-4.7%	Long-term on-the-job training
51-4041	Machinists	435	416	-4.4%	Long-term on-the-job training
43-5051	Postal Service Clerks	70	67	-4.3%	Short-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	573	550	-4.0%	Work experience in a related occupation
51-4121	Welders, Cutters, Solderers, and Brazers	551	533	-3.3%	Long-term on-the-job training
11-9041	Engineering Managers	98	95	-3.1%	Bachelor's degree plus work experience
43-5052	Postal Service Mail Carriers	177	172	-2.8%	Short-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	147	144	-2.0%	Short-term on-the-job training

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

**Employment and Job Openings for All Occupations in Coastal 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>	63,767	74,210	10,443	16.4%	1,135	1,522	2,657	NA
<b>11-0000</b>	<b>Management Occupations</b>	3,722	4,425	703	18.9%	72	68	140	NA
11-1011	Chief Executives	180	214	34	18.9%	3	3	6	Bachelor's degree plus work experience
11-1021	General and Operations Managers	1,006	1,218	212	21.1%	21	19	40	Bachelor's degree plus work experience
11-1031	Legislators	35	43	8	22.9%	1	0	1	Bachelor's degree plus work experience
11-2011	Advertising and Promotions Managers	30	39	9	30.0%	1	1	2	Bachelor's degree plus work experience
11-2021	Marketing Managers	49	70	21	42.9%	2	1	3	Bachelor's degree plus work experience
11-2022	Sales Managers	121	162	41	33.9%	4	2	6	Bachelor's degree plus work experience
11-2031	Public Relations Managers	15	22	7	46.7%	1	0	1	Bachelor's degree plus work experience
11-3011	Administrative Services Managers	71	84	13	18.3%	1	1	2	Bachelor's degree plus work experience
11-3021	Computer and Information Systems Managers	63	86	23	36.5%	2	1	3	Bachelor's degree plus work experience
11-3031	Financial Managers	225	268	43	19.1%	4	3	7	Bachelor's degree plus work experience
11-3040	Human Resources Managers	71	92	21	29.6%	2	1	3	Bachelor's degree plus work experience
11-3051	Industrial Production Managers	51	53	2	3.9%	0	1	1	Bachelor's degree
11-3061	Purchasing Managers	90	81	-9	-10.0%	0	2	2	Bachelor's degree plus work experience
11-3071	Transportation, Storage, and Distribution Managers	25	35	10	40.0%	1	1	2	Work experience in a related occupation
11-9011	Farm, Ranch, and Other Agricultural Managers	44	64	20	45.5%	2	1	3	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	164	180	16	9.8%	2	1	3	Long-term on-the-job training
11-9021	Construction Managers	154	174	20	13.0%	2	3	5	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	15	20	5	33.3%	1	0	1	Bachelor's degree plus work experience
11-9032	Education Administrators, Elementary and Secondary School	160	188	28	17.5%	3	4	7	Bachelor's degree plus work experience
11-9041	Engineering Managers	98	95	-3	-3.1%	0	2	2	Bachelor's degree plus work experience
11-9051	Food Service Managers	199	250	51	25.6%	5	3	8	Work experience in a related occupation
11-9061	Funeral Directors	14	18	4	28.6%	0	0	0	Associate degree
11-9081	Lodging Managers	80	92	12	15.0%	1	1	2	Work experience in a related occupation
11-9111	Medical and Health Services Managers	96	133	37	38.5%	4	2	6	Bachelor's degree plus work experience
11-9121	Natural Sciences Managers	12	15	3	25.0%	0	0	0	Bachelor's degree plus work experience
11-9131	Postmasters and Mail Superintendents	46	44	-2	-4.3%	0	1	1	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	54	74	20	37.0%	2	1	3	Bachelor's degree
11-9151	Social and Community Service Managers	91	129	38	41.8%	4	2	6	Bachelor's degree
11-9199	Managers, All Other	447	461	14	3.1%	1	9	10	Work experience in a related occupation

**Employment and Job Openings for All Occupations in Coastal 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>13-0000</b>	<b>Business and Financial Operations Occupations</b>	<b>1,826</b>	<b>2,274</b>	<b>448</b>	<b>24.5%</b>	<b>45</b>	<b>33</b>	<b>78</b>	NA
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	11	23	12	109.1%	1	0	1	Bachelor's degree plus work experience
13-1022	Wholesale and Retail Buyers, Except Farm Products	69	74	5	7.2%	1	2	3	Work experience in a related occupation
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	77	84	7	9.1%	1	2	3	Work experience in a related occupation
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	48	64	16	33.3%	2	1	3	Long-term on-the-job training
13-1051	Cost Estimators	62	67	5	8.1%	1	1	2	Work experience in a related occupation
13-1071	Employment, Recruitment, and Placement Specialists	36	44	8	22.2%	1	1	2	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	24	29	5	20.8%	1	0	1	Bachelor's degree
13-1073	Training and Development Specialists	71	96	25	35.2%	3	1	4	Bachelor's degree
13-1111	Management Analysts	113	143	30	26.5%	3	2	5	Bachelor's degree plus work experience
13-1199	Business Operations Specialists, All Other	277	387	110	39.7%	11	5	16	Bachelor's degree
13-2011	Accountants and Auditors	237	282	45	19.0%	5	5	10	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	36	47	11	30.6%	1	1	2	Postsecondary vocational award
13-2031	Budget Analysts	28	28	0	0.0%	0	1	1	Bachelor's degree
13-2051	Financial Analysts	16	22	6	37.5%	1	0	1	Bachelor's degree
13-2052	Personal Financial Advisors	25	35	10	40.0%	1	0	1	Bachelor's degree
13-2071	Loan Counselors	49	56	7	14.3%	1	1	2	Bachelor's degree
13-2072	Loan Officers	313	384	71	22.7%	7	5	12	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	57	78	21	36.8%	2	1	3	Bachelor's degree
13-2082	Tax Preparers	12	14	2	16.7%	0	0	0	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	25	34	9	36.0%	1	0	1	Bachelor's degree
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>336</b>	<b>437</b>	<b>101</b>	<b>30.1%</b>	<b>10</b>	<b>4</b>	<b>14</b>	NA
15-1021	Computer Programmers	36	37	1	2.8%	0	1	1	Bachelor's degree
15-1031	Computer Software Engineers, Applications	45	57	12	26.7%	1	0	1	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	13	17	4	30.8%	0	0	0	Bachelor's degree
15-1041	Computer Support Specialists	80	103	23	28.8%	2	1	3	Associate degree
15-1051	Computer Systems Analysts	66	89	23	34.8%	2	1	3	Bachelor's degree
15-1071	Network and Computer Systems Administrators	52	67	15	28.8%	2	1	3	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	23	31	8	34.8%	1	0	1	Bachelor's degree
<b>17-0000</b>	<b>Architecture and Engineering Occupations</b>	<b>1,403</b>	<b>1,326</b>	<b>-77</b>	<b>-5.5%</b>	<b>7</b>	<b>33</b>	<b>40</b>	NA
17-1011	Architects, Except Landscape and Naval	41	50	9	22.0%	1	1	2	Bachelor's degree

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

SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
17-1022	Surveyors	24	22	-2	-8.3%	0	1	1	Bachelor's degree
17-2041	Chemical Engineers	12	13	1	8.3%	0	0	0	Bachelor's degree
17-2051	Civil Engineers	98	106	8	8.2%	1	2	3	Bachelor's degree
17-2071	Electrical Engineers	25	25	0	0.0%	0	1	1	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	22	25	3	13.6%	0	0	0	Bachelor's degree
17-2081	Environmental Engineers	12	17	5	41.7%	1	0	1	Bachelor's degree
17-2112	Industrial Engineers	17	19	2	11.8%	0	0	0	Bachelor's degree
17-2141	Mechanical Engineers	31	32	1	3.2%	0	1	1	Bachelor's degree
17-2199	Engineers, All Other	292	263	-29	-9.9%	0	6	6	Bachelor's degree
17-3011	Architectural and Civil Drafters	45	48	3	6.7%	0	1	1	Postsecondary vocational award
17-3013	Mechanical Drafters	464	366	-98	-21.1%	0	13	13	Postsecondary vocational award
17-3022	Civil Engineering Technicians	40	47	7	17.5%	1	1	2	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	33	36	3	9.1%	0	1	1	Associate degree
17-3026	Industrial Engineering Technicians	58	52	-6	-10.3%	0	1	1	Associate degree
17-3031	Surveying and Mapping Technicians	28	37	9	32.1%	1	1	2	Moderate-term on-the-job training
17-3099	Drafters, Engineering, and Mapping Technicians, All Other	97	90	-7	-7.2%	0	2	2	Associate degree
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>350</b>	<b>442</b>	<b>92</b>	<b>26.3%</b>	<b>9</b>	<b>8</b>	<b>17</b>	<b>NA</b>
19-1010	Agricultural and Food Scientists	15	17	2	13.3%	0	0	0	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	12	16	4	33.3%	0	0	0	Bachelor's degree
19-1031	Conservation Scientists	30	34	4	13.3%	0	1	1	Bachelor's degree
19-1032	Foresters	10	14	4	40.0%	0	0	0	Bachelor's degree
19-2031	Chemists	15	15	0	0.0%	0	1	1	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	34	48	14	41.2%	1	1	2	Master's degree
19-3021	Market Research Analysts	27	30	3	11.1%	0	1	1	Master's degree
19-3031	Clinical, Counseling, and School Psychologists	58	82	24	41.4%	2	1	3	Doctoral degree
19-3099	Social Scientists and Related Workers, All Other	12	14	2	16.7%	0	0	0	Master's degree
19-4021	Biological Technicians	38	48	10	26.3%	1	1	2	Associate degree
19-4091	Environmental Science and Protection Technicians, Including Health	12	17	5	41.7%	1	0	1	Associate degree
19-4099	Life, Physical, and Social Science Technicians, All Other	12	12	0	0.0%	0	0	0	Associate degree
<b>21-0000</b>	<b>Community and Social Services Occupations</b>	<b>1,204</b>	<b>1,705</b>	<b>501</b>	<b>41.6%</b>	<b>50</b>	<b>23</b>	<b>73</b>	<b>NA</b>
21-1011	Substance Abuse and Behavioral Disorder Counselors	33	43	10	30.3%	1	1	2	Master's degree

**Employment and Job Openings for All Occupations in Coastal 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	
21-1012	Educational, Vocational, and School Counselors	111	125	14	12.6%	1	3	4	Master's degree
21-1014	Mental Health Counselors	59	80	21	35.6%	2	1	3	Master's degree
21-1015	Rehabilitation Counselors	112	158	46	41.1%	5	3	8	Master's degree
21-1021	Child, Family, and School Social Workers	137	183	46	33.6%	5	2	7	Bachelor's degree
21-1022	Medical and Public Health Social Workers	44	63	19	43.2%	2	1	3	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	97	143	46	47.4%	5	2	7	Master's degree
21-1091	Health Educators	18	23	5	27.8%	1	0	1	Master's degree
21-1092	Probation Officers and Correctional Treatment Specialists	29	37	8	27.6%	1	1	2	Bachelor's degree
21-1093	Social and Human Service Assistants	259	452	193	74.5%	19	5	24	Moderate-term on-the-job training
21-2011	Clergy	210	259	49	23.3%	5	4	9	First Professional degree
21-2021	Directors, Religious Activities and Education	22	29	7	31.8%	1	0	1	Bachelor's degree
21-9099	Counselors, Social, and Religious Workers, All Other	70	105	35	50.0%	4	1	5	Bachelor's degree
<b>23-0000</b>	<b>Legal Occupations</b>	<b>310</b>	<b>388</b>	<b>78</b>	<b>25.2%</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>NA</b>
23-1011	Lawyers	186	227	41	22.0%	4	2	6	First Professional degree
23-2011	Paralegals and Legal Assistants	59	74	15	25.4%	2	1	3	Associate degree
23-9099	Legal and Related Workers, All Other	29	42	13	44.8%	1	0	1	Bachelor's degree
<b>25-0000</b>	<b>Education, Training, and Library Occupations</b>	<b>4,340</b>	<b>5,175</b>	<b>835</b>	<b>19.2%</b>	<b>84</b>	<b>91</b>	<b>175</b>	<b>NA</b>
25-1071	Health Specialties Teachers, Postsecondary	19	24	5	26.3%	1	0	1	Master's degree
25-1191	Graduate Teaching Assistants	14	17	3	21.4%	0	0	0	Bachelor's degree
25-1194	Vocational Education Teachers, Postsecondary	17	23	6	35.3%	1	0	1	Work experience in a related occupation
25-2011	Preschool Teachers, Except Special Education	193	249	56	29.0%	6	2	8	Postsecondary vocational award
25-2012	Kindergarten Teachers, Except Special Education	140	172	32	22.9%	3	2	5	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	765	841	76	9.9%	8	17	25	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	435	454	19	4.4%	2	10	12	Bachelor's degree
25-2023	Vocational Education Teachers, Middle School	10	10	0	0.0%	0	0	0	Bachelor's degree plus work experience
25-2031	Secondary School Teachers, Except Special and Vocational Education	737	835	98	13.3%	10	21	31	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	33	34	1	3.0%	0	1	1	Bachelor's degree plus work experience
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	162	203	41	25.3%	4	4	8	Bachelor's degree
25-2042	Special Education Teachers, Middle School	64	81	17	26.6%	2	2	4	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	83	104	21	25.3%	2	2	4	Bachelor's degree
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	18	24	6	33.3%	1	0	1	Bachelor's degree

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		2002	2012	Net	Percent	Growth	Replacement	Total	
25-3021	Self-Enrichment Education Teachers	152	267	115	75.7%	12	2	14	Work experience in a related occupation
25-3999	Teachers, Primary, Secondary, and Adult, All Other	336	457	121	36.0%	12	4	16	Bachelor's degree
25-4010	Archivists, Curators, and Museum Technicians	22	26	4	18.2%	0	1	1	Master's degree
25-4021	Librarians	55	61	6	10.9%	1	1	2	Master's degree
25-4031	Library Technicians	84	101	17	20.2%	2	3	5	Short-term on-the-job training
25-9031	Instructional Coordinators	30	40	10	33.3%	1	1	2	Master's degree
25-9041	Teacher Assistants	913	1,071	158	17.3%	16	18	34	Short-term on-the-job training
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>725</b>	<b>921</b>	<b>196</b>	<b>27.0%</b>	<b>20</b>	<b>14</b>	<b>34</b>	<b>NA</b>
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	89	106	17	19.1%	2	2	4	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	19	24	5	26.3%	1	0	1	Bachelor's degree
27-1023	Floral Designers	41	51	10	24.4%	1	1	2	Moderate-term on-the-job training
27-1024	Graphic Designers	43	52	9	20.9%	1	1	2	Bachelor's degree
27-1025	Interior Designers	19	23	4	21.1%	0	0	0	Bachelor's degree
27-1026	Merchandise Displayers and Window Trimmers	16	23	7	43.8%	1	0	1	Moderate-term on-the-job training
27-1099	Art and Design Workers, All Other	29	35	6	20.7%	1	1	2	Bachelor's degree
27-2012	Producers and Directors	10	17	7	70.0%	1	0	1	Bachelor's degree plus work experience
27-2022	Coaches and Scouts	104	132	28	26.9%	3	2	5	Long-term on-the-job training
27-2041	Music Directors and Composers	20	26	6	30.0%	1	0	1	Bachelor's degree plus work experience
27-2042	Musicians and Singers	51	68	17	33.3%	2	1	3	Long-term on-the-job training
27-3020	News Analysts, Reporters and Correspondents	26	33	7	26.9%	1	1	2	Bachelor's degree plus work experience
27-3031	Public Relations Specialists	28	37	9	32.1%	1	0	1	Bachelor's degree
27-3041	Editors	53	65	12	22.6%	1	1	2	Bachelor's degree
27-3043	Writers and Authors	47	59	12	25.5%	1	1	2	Bachelor's degree
27-3091	Interpreters and Translators	11	13	2	18.2%	0	0	0	Long-term on-the-job training
27-3099	Media and Communication Workers, All Other	13	18	5	38.5%	1	0	1	Long-term on-the-job training
27-4021	Photographers	31	40	9	29.0%	1	1	2	Long-term on-the-job training
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupations</b>	<b>2,386</b>	<b>3,298</b>	<b>912</b>	<b>38.2%</b>	<b>91</b>	<b>44</b>	<b>135</b>	<b>NA</b>
29-1011	Chiropractors	21	28	7	33.3%	1	0	1	First Professional degree
29-1020	Dentists	57	61	4	7.0%	0	1	1	First Professional degree
29-1031	Dietitians and Nutritionists	16	24	8	50.0%	1	0	1	Bachelor's degree
29-1041	Optometrists	12	18	6	50.0%	1	0	1	First Professional degree

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		2002	2012	Net	Percent	Growth	Replacement	Total	
29-1051	Pharmacists	70	97	27	38.6%	3	1	4	First Professional degree
29-1062	Family and General Practitioners	51	69	18	35.3%	2	1	3	First Professional degree
29-1063	Internists, General	20	26	6	30.0%	1	0	1	First Professional degree
29-1066	Psychiatrists	12	17	5	41.7%	1	0	1	First Professional degree
29-1067	Surgeons	32	43	11	34.4%	1	0	1	First Professional degree
29-1069	Physicians and Surgeons, All Other	62	81	19	30.6%	2	1	3	First Professional degree
29-1071	Physician Assistants	42	71	29	69.0%	3	1	4	Bachelor's degree
29-1111	Registered Nurses	885	1,230	345	39.0%	35	19	54	Associate degree
29-1122	Occupational Therapists	36	53	17	47.2%	2	1	3	Bachelor's degree
29-1123	Physical Therapists	70	105	35	50.0%	4	1	5	Master's degree
29-1125	Recreational Therapists	14	16	2	14.3%	0	0	0	Bachelor's degree
29-1126	Respiratory Therapists	26	39	13	50.0%	1	1	2	Associate degree
29-1127	Speech-Language Pathologists	67	84	17	25.4%	2	2	4	Master's degree
29-1131	Veterinarians	33	47	14	42.4%	1	1	2	First Professional degree
29-2011	Medical and Clinical Laboratory Technologists	31	42	11	35.5%	1	1	2	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	27	38	11	40.7%	1	1	2	Associate degree
29-2021	Dental Hygienists	97	137	40	41.2%	4	1	5	Associate degree
29-2031	Cardiovascular Technologists and Technicians	13	21	8	61.5%	1	0	1	Associate degree
29-2034	Radiologic Technologists and Technicians	50	67	17	34.0%	2	1	3	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	113	152	39	34.5%	4	1	5	Postsecondary vocational award
29-2051	Dietetic Technicians	10	14	4	40.0%	0	0	0	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	81	115	34	42.0%	3	1	4	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	11	15	4	36.4%	0	0	0	Moderate-term on-the-job training
29-2055	Surgical Technologists	22	33	11	50.0%	1	0	1	Postsecondary vocational award
29-2056	Veterinary Technologists and Technicians	44	62	18	40.9%	2	1	3	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses	177	222	45	25.4%	5	4	9	Postsecondary vocational award
29-2071	Medical Records and Health Information Technicians	60	103	43	71.7%	4	1	5	Associate degree
29-2081	Opticians, Dispensing	11	15	4	36.4%	0	0	0	Long-term on-the-job training
29-9010	Occupational Health and Safety Specialists and Technicians	24	27	3	12.5%	0	1	1	Bachelor's degree
29-9199	Health Professionals and Technicians, All Other	22	34	12	54.5%	1	0	1	Postsecondary vocational award
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>1,610</b>	<b>2,251</b>	<b>641</b>	<b>39.8%</b>	<b>64</b>	<b>24</b>	<b>88</b>	<b>NA</b>



**Employment and Job Openings for All Occupations in Coastal 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	
31-1011	Home Health Aides	386	593	207	53.6%	21	5	26	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	804	1,019	215	26.7%	22	11	33	Short-term on-the-job training
31-1013	Psychiatric Aides	10	16	6	60.0%	1	0	1	Short-term on-the-job training
31-2021	Physical Therapist Assistants	22	39	17	77.3%	2	0	2	Associate degree
31-2022	Physical Therapist Aides	11	15	4	36.4%	0	0	0	Short-term on-the-job training
31-9011	Massage Therapists	31	50	19	61.3%	2	1	3	Postsecondary vocational award
31-9091	Dental Assistants	88	126	38	43.2%	4	3	7	Moderate-term on-the-job training
31-9092	Medical Assistants	114	201	87	76.3%	9	2	11	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	11	14	3	27.3%	0	0	0	Short-term on-the-job training
31-9094	Medical Transcriptionists	43	57	14	32.6%	1	1	2	Postsecondary vocational award
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	46	58	12	26.1%	1	1	2	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Other	25	37	12	48.0%	1	1	2	Short-term on-the-job training
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>958</b>	<b>1,271</b>	<b>313</b>	<b>32.7%</b>	<b>31</b>	<b>26</b>	<b>57</b>	<b>NA</b>
33-1012	First-Line Supervisors/Managers of Police and Detectives	33	45	12	36.4%	1	1	2	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	13	19	6	46.2%	1	1	2	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	19	22	3	15.8%	0	1	1	Work experience in a related occupation
33-2011	Fire Fighters	174	245	71	40.8%	7	5	12	Long-term on-the-job training
33-3012	Correctional Officers and Jailers	121	165	44	36.4%	4	3	7	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	24	34	10	41.7%	1	1	2	Work experience in a related occupation
33-3031	Fish and Game Wardens	10	11	1	10.0%	0	0	0	Long-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	188	281	93	49.5%	9	5	14	Long-term on-the-job training
33-9032	Security Guards	265	300	35	13.2%	4	6	10	Short-term on-the-job training
33-9091	Crossing Guards	29	40	11	37.9%	1	1	2	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	42	54	12	28.6%	1	3	4	Short-term on-the-job training
<b>35-0000</b>	<b>Food Preparation and Serving Related Occupations</b>	<b>5,492</b>	<b>6,781</b>	<b>1,289</b>	<b>23.5%</b>	<b>129</b>	<b>216</b>	<b>345</b>	<b>NA</b>
35-1011	Chefs and Head Cooks	107	133	26	24.3%	3	3	6	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	323	393	70	21.7%	7	8	15	Work experience in a related occupation
35-2011	Cooks, Fast Food	190	217	27	14.2%	3	6	9	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	233	252	19	8.2%	2	7	9	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	433	533	100	23.1%	10	13	23	Long-term on-the-job training
35-2015	Cooks, Short Order	173	199	26	15.0%	3	5	8	Short-term on-the-job training

**Employment and Job Openings for All Occupations in Coastal Maine in 2002 and Projected 2012**

*(Sorted by Occupational Group)*

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		2002	2012	Net	Percent	Growth	Replacement	Total	
35-2021	Food Preparation Workers	652	844	192	29.4%	19	23	42	Short-term on-the-job training
35-3011	Bartenders	257	293	36	14.0%	4	10	14	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	992	1,297	305	30.7%	31	43	74	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	173	226	53	30.6%	5	11	16	Short-term on-the-job training
35-3031	Waiters and Waitresses	1,153	1,445	292	25.3%	29	59	88	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	99	113	14	14.1%	1	3	4	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	165	202	37	22.4%	4	6	10	Short-term on-the-job training
35-9021	Dishwashers	358	405	47	13.1%	5	12	17	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	174	216	42	24.1%	4	6	10	Short-term on-the-job training
<b>37-0000</b>	<b>Building and Grounds Cleaning and Maintenance Occupations</b>	<b>2,841</b>	<b>3,461</b>	<b>620</b>	<b>21.8%</b>	<b>62</b>	<b>57</b>	<b>119</b>	<b>NA</b>
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	104	128	24	23.1%	2	3	5	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	71	93	22	31.0%	2	1	3	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,064	1,275	211	19.8%	21	20	41	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	1,020	1,200	180	17.6%	18	21	39	Short-term on-the-job training
37-2021	Pest Control Workers	13	15	2	15.4%	0	0	0	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	532	706	174	32.7%	17	12	29	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	12	12	0	0.0%	0	0	0	Moderate-term on-the-job training
37-3013	Tree Trimmers and Pruners	14	17	3	21.4%	0	0	0	Short-term on-the-job training
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other	11	15	4	36.4%	0	0	0	Short-term on-the-job training
<b>39-0000</b>	<b>Personal Care and Service Occupations</b>	<b>2,153</b>	<b>2,846</b>	<b>693</b>	<b>32.2%</b>	<b>70</b>	<b>51</b>	<b>121</b>	<b>NA</b>
39-1021	First-Line Supervisors/Managers of Personal Service Workers	61	95	34	55.7%	3	2	5	Work experience in a related occupation
39-2011	Animal Trainers	14	11	-3	-21.4%	0	0	0	Moderate-term on-the-job training
39-2021	Nonfarm Animal Caretakers	35	46	11	31.4%	1	1	2	Short-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	16	20	4	25.0%	0	1	1	Postsecondary vocational award
39-3021	Motion Picture Projectionists	12	15	3	25.0%	0	1	1	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	22	31	9	40.9%	1	1	2	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	81	120	39	48.1%	4	2	6	Short-term on-the-job training
39-4021	Funeral Attendants	11	16	5	45.5%	1	0	1	Short-term on-the-job training
39-5011	Barbers	35	39	4	11.4%	0	1	1	Postsecondary vocational award
39-5012	Hairdressers, Hairstylists, and Cosmetologists	293	359	66	22.5%	7	6	13	Postsecondary vocational award
39-5094	Skin Care Specialists	10	13	3	30.0%	0	0	0	Postsecondary vocational award

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39-6011	Baggage Porters and Bellhops	12	13	1	8.3%	0	0	0	Short-term on-the-job training
39-6021	Tour Guides and Escorts	38	53	15	39.5%	2	1	3	Moderate-term on-the-job training
39-9011	Child Care Workers	823	1,003	180	21.9%	18	22	40	Short-term on-the-job training
39-9021	Personal and Home Care Aides	360	537	177	49.2%	18	6	24	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	115	171	56	48.7%	6	3	9	Postsecondary vocational award
39-9032	Recreation Workers	101	142	41	40.6%	4	2	6	Bachelor's degree
39-9041	Residential Advisors	40	59	19	47.5%	2	1	3	Moderate-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	46	66	20	43.5%	2	1	3	Short-term on-the-job training
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>6,447</b>	<b>7,539</b>	<b>1,092</b>	<b>16.9%</b>	<b>118</b>	<b>201</b>	<b>319</b>	<b>NA</b>
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	819	1,027	208	25.4%	21	15	36	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	275	335	60	21.8%	6	5	11	Work experience in a related occupation
41-2011	Cashiers	1,662	2,060	398	23.9%	40	81	121	Short-term on-the-job training
41-2021	Counter and Rental Clerks	125	166	41	32.8%	4	5	9	Short-term on-the-job training
41-2022	Parts Salespersons	154	169	15	9.7%	2	4	6	Moderate-term on-the-job training
41-2031	Retail Salespersons	1,476	1,707	231	15.7%	23	54	77	Short-term on-the-job training
41-3011	Advertising Sales Agents	50	61	11	22.0%	1	1	2	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	87	105	18	20.7%	2	2	4	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	29	37	8	27.6%	1	0	1	Bachelor's degree
41-3041	Travel Agents	14	11	-3	-21.4%	0	0	0	Postsecondary vocational award
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	54	66	12	22.2%	1	1	2	Moderate-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	320	378	58	18.1%	6	8	14	Moderate-term on-the-job training
41-9011	Demonstrators and Product Promoters	36	51	15	41.7%	2	1	3	Moderate-term on-the-job training
41-9021	Real Estate Brokers	66	86	20	30.3%	2	1	3	Work experience in a related occupation
41-9022	Real Estate Sales Agents	29	39	10	34.5%	1	1	2	Postsecondary vocational award
41-9041	Telemarketers	1,041	959	-82	-7.9%	0	17	17	Short-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	61	80	19	31.1%	2	1	3	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	143	195	52	36.4%	5	3	8	Moderate-term on-the-job training
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>8,204</b>	<b>8,985</b>	<b>781</b>	<b>9.5%</b>	<b>91</b>	<b>191</b>	<b>282</b>	<b>NA</b>
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	446	501	55	12.3%	6	10	16	Work experience in a related occupation
43-2011	Switchboard Operators, Including Answering Service	64	68	4	6.3%	0	2	2	Short-term on-the-job training
43-3011	Bill and Account Collectors	376	466	90	23.9%	9	7	16	Short-term on-the-job training

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SOC Code	Occupation	Average Employment		Change in Employment		Average Annual Openings			Education/Training Requirement
		2002	2012	Net	Percent	Growth	Replacement	Total	
43-3021	Billing and Posting Clerks and Machine Operators	170	190	20	11.8%	2	3	5	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	790	864	74	9.4%	7	15	22	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	75	75	0	0.0%	0	2	2	Moderate-term on-the-job training
43-3061	Procurement Clerks	12	11	-1	-8.3%	0	0	0	Short-term on-the-job training
43-3071	Tellers	256	303	47	18.4%	5	13	18	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	72	95	23	31.9%	2	2	4	Short-term on-the-job training
43-4051	Customer Service Representatives	629	770	141	22.4%	14	9	23	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	48	46	-2	-4.2%	0	1	1	Moderate-term on-the-job training
43-4071	File Clerks	40	45	5	12.5%	1	1	2	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	183	235	52	28.4%	5	8	13	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	34	55	21	61.8%	2	1	3	Short-term on-the-job training
43-4121	Library Assistants, Clerical	13	20	7	53.8%	1	1	2	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	133	115	-18	-13.5%	0	2	2	Short-term on-the-job training
43-4141	New Accounts Clerks	39	46	7	17.9%	1	1	2	Work experience in a related occupation
43-4151	Order Clerks	53	48	-5	-9.4%	0	1	1	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32	41	9	28.1%	1	1	2	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	317	431	114	36.0%	11	8	19	Short-term on-the-job training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	11	16	5	45.5%	1	0	1	Short-term on-the-job training
43-4999	Financial, Information, and Record Clerks, All Other	78	100	22	28.2%	2	1	3	Short-term on-the-job training
43-5021	Couriers and Messengers	12	13	1	8.3%	0	0	0	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	61	80	19	31.1%	2	1	3	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	60	75	15	25.0%	2	1	3	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	25	25	0	0.0%	0	1	1	Short-term on-the-job training
43-5051	Postal Service Clerks	70	67	-3	-4.3%	0	2	2	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	177	172	-5	-2.8%	0	6	6	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	56	49	-7	-12.5%	0	2	2	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	343	314	-29	-8.5%	0	8	8	Short-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	191	193	2	1.0%	0	4	4	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	522	533	11	2.1%	1	19	20	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	314	345	31	9.9%	3	6	9	Moderate-term on-the-job training
43-6012	Legal Secretaries	76	86	10	13.2%	1	2	3	Postsecondary vocational award

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		2002	2012	Net	Percent	Growth	Replacement	Total	
43-6013	Medical Secretaries	144	183	39	27.1%	4	3	7	Postsecondary vocational award
43-6014	Secretaries, Except Legal, Medical, and Executive	817	818	1	0.1%	0	16	16	Moderate-term on-the-job training
43-9011	Computer Operators	34	27	-7	-20.6%	0	1	1	Moderate-term on-the-job training
43-9021	Data Entry Keyers	66	62	-4	-6.1%	0	2	2	Moderate-term on-the-job training
43-9022	Word Processors and Typists	98	61	-37	-37.8%	0	2	2	Moderate-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	22	25	3	13.6%	0	0	0	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	43	43	0	0.0%	0	1	1	Short-term on-the-job training
43-9061	Office Clerks, General	1,047	1,124	77	7.4%	8	23	31	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	15	14	-1	-6.7%	0	0	0	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	11	11	0	0.0%	0	0	0	Short-term on-the-job training
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other	64	62	-2	-3.1%	0	1	1	Short-term on-the-job training
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>1,798</b>	<b>2,058</b>	<b>260</b>	<b>14.5%</b>	<b>26</b>	<b>51</b>	<b>77</b>	<b>NA</b>
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	23	29	6	26.1%	1	1	2	Work experience in a related occupation
45-2041	Graders and Sorters, Agricultural Products	23	25	2	8.7%	0	1	1	Work experience in a related occupation
45-2091	Agricultural Equipment Operators	13	16	3	23.1%	0	0	0	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	102	133	31	30.4%	3	3	6	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	50	67	17	34.0%	2	1	3	Short-term on-the-job training
45-3011	Fishers and Related Fishing Workers	1,484	1,663	179	12.1%	18	42	60	Moderate-term on-the-job training
45-4021	Fallers	15	16	1	6.7%	0	0	0	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	41	44	3	7.3%	0	1	1	Moderate-term on-the-job training
45-4023	Log Graders and Scalers	11	12	1	9.1%	0	0	0	Moderate-term on-the-job training
45-9099	Farming, Fishing, and Forestry Workers, All Other	24	34	10	41.7%	1	1	2	Moderate-term on-the-job training
<b>47-0000</b>	<b>Construction and Extraction Occupations</b>	<b>6,642</b>	<b>6,824</b>	<b>182</b>	<b>2.7%</b>	<b>34</b>	<b>125</b>	<b>159</b>	<b>NA</b>
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	337	371	34	10.1%	3	6	9	Work experience in a related occupation
47-2021	Brickmasons and Blockmasons	36	40	4	11.1%	0	1	1	Long-term on-the-job training
47-2022	Stonemasons	12	14	2	16.7%	0	0	0	Long-term on-the-job training
47-2031	Carpenters	2,023	2,113	90	4.4%	9	33	42	Long-term on-the-job training
47-2041	Carpet Installers	18	20	2	11.1%	0	0	0	Moderate-term on-the-job training
47-2043	Floor Sanders and Finishers	13	13	0	0.0%	0	0	0	Moderate-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	58	71	13	22.4%	1	1	2	Moderate-term on-the-job training
47-2061	Construction Laborers	381	428	47	12.3%	5	5	10	Moderate-term on-the-job training

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		2002	2012	Net	Percent	Growth	Replacement	Total	
47-2071	Paving, Surfacing, and Tamping Equipment Operators	37	44	7	18.9%	1	1	2	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	211	231	20	9.5%	2	5	7	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	62	72	10	16.1%	1	1	2	Moderate-term on-the-job training
47-2111	Electricians	736	756	20	2.7%	2	15	17	Long-term on-the-job training
47-2130	Insulation Workers	221	193	-28	-12.7%	0	7	7	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	1,044	980	-64	-6.1%	0	16	16	Moderate-term on-the-job training
47-2142	Paperhangers	15	15	0	0.0%	0	0	0	Moderate-term on-the-job training
47-2151	Pipelayers	30	36	6	20.0%	1	1	2	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	543	505	-38	-7.0%	0	13	13	Long-term on-the-job training
47-2181	Roofers	44	49	5	11.4%	1	1	2	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	307	286	-21	-6.8%	0	7	7	Moderate-term on-the-job training
47-2221	Structural Iron and Steel Workers	23	27	4	17.4%	0	1	1	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	23	22	-1	-4.3%	0	1	1	Short-term on-the-job training
47-3012	Helpers--Carpenters	61	66	5	8.2%	1	3	4	Short-term on-the-job training
47-3013	Helpers--Electricians	37	37	0	0.0%	0	2	2	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	11	11	0	0.0%	0	1	1	Short-term on-the-job training
47-4011	Construction and Building Inspectors	13	16	3	23.1%	0	0	0	Work experience in a related occupation
47-4021	Elevator Installers and Repairers	17	17	0	0.0%	0	0	0	Long-term on-the-job training
47-4031	Fence Erectors	32	33	1	3.1%	0	1	1	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	17	21	4	23.5%	0	0	0	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	178	226	48	27.0%	5	3	8	Moderate-term on-the-job training
47-4999	Construction Trades and Related Workers, All Other	14	15	1	7.1%	0	0	0	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	13	14	1	7.7%	0	0	0	Moderate-term on-the-job training
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupations</b>	<b>2,475</b>	<b>2,972</b>	<b>497</b>	<b>20.1%</b>	<b>51</b>	<b>58</b>	<b>109</b>	<b>NA</b>
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	136	177	41	30.1%	4	3	7	Work experience in a related occupation
49-2011	Computer, Automated Teller, and Office Machine Repairers	25	29	4	16.0%	0	0	0	Postsecondary vocational award
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	51	55	4	7.8%	0	1	1	Long-term on-the-job training
49-2092	Electric Motor, Power Tool, and Related Repairers	20	20	0	0.0%	0	1	1	Postsecondary vocational award
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	34	34	0	0.0%	0	1	1	Postsecondary vocational award
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	12	11	-1	-8.3%	0	0	0	Postsecondary vocational award
49-3011	Aircraft Mechanics and Service Technicians	11	15	4	36.4%	0	0	0	Postsecondary vocational award

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		2002	2012	Net	Percent	Growth	Replacement	Total	
49-3021	Automotive Body and Related Repairers	84	108	24	28.6%	2	2	4	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	412	521	109	26.5%	11	11	22	Postsecondary vocational award
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	111	135	24	21.6%	2	3	5	Postsecondary vocational award
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	65	83	18	27.7%	2	1	3	Postsecondary vocational award
49-3051	Motorboat Mechanics	133	154	21	15.8%	2	3	5	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	49	71	22	44.9%	2	1	3	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	19	30	11	57.9%	1	1	2	Long-term on-the-job training
49-3093	Tire Repairers and Changers	45	53	8	17.8%	1	2	3	Short-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	21	28	7	33.3%	1	1	2	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	181	241	60	33.1%	6	2	8	Long-term on-the-job training
49-9031	Home Appliance Repairers	17	18	1	5.9%	0	0	0	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	34	38	4	11.8%	0	1	1	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	537	616	79	14.7%	8	10	18	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	36	38	2	5.6%	0	1	1	Short-term on-the-job training
49-9044	Millwrights	53	49	-4	-7.5%	0	1	1	Long-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	60	69	9	15.0%	1	2	3	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	19	20	1	5.3%	0	1	1	Long-term on-the-job training
49-9095	Manufactured Building and Mobile Home Installers	24	33	9	37.5%	1	1	2	Moderate-term on-the-job training
49-9096	Riggers	104	99	-5	-4.8%	0	2	2	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	40	55	15	37.5%	2	1	3	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	54	65	11	20.4%	1	1	2	Moderate-term on-the-job training
<b>51-0000</b>	<b>Production Occupations</b>	<b>5,214</b>	<b>5,005</b>	<b>-209</b>	<b>-4.0%</b>	<b>15</b>	<b>127</b>	<b>142</b>	<b>NA</b>
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	573	550	-23	-4.0%	0	12	12	Work experience in a related occupation
51-2021	Coil Winders, Tapers, and Finishers	29	26	-3	-10.3%	0	1	1	Short-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	36	34	-2	-5.6%	0	1	1	Short-term on-the-job training
51-2031	Engine and Other Machine Assemblers	20	17	-3	-15.0%	0	1	1	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	408	331	-77	-18.9%	0	10	10	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	401	327	-74	-18.5%	0	10	10	Moderate-term on-the-job training
51-2092	Team Assemblers	277	246	-31	-11.2%	0	7	7	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	114	108	-6	-5.3%	0	3	3	Moderate-term on-the-job training
51-3011	Bakers	61	76	15	24.6%	2	1	3	Long-term on-the-job training

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51-3021	Butchers and Meat Cutters	74	78	4	5.4%	0	2	2	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	147	144	-3	-2.0%	0	3	3	Short-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	20	21	1	5.0%	0	0	0	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	39	44	5	12.8%	1	1	2	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	11	12	1	9.1%	0	0	0	Moderate-term on-the-job training
51-4033	Grinding/Lapping/Polishing&Buffing Machine Tool Setters/Operators/Tenders, Metal&Plastic	10	10	0	0.0%	0	0	0	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	10	9	-1	-10.0%	0	0	0	Moderate-term on-the-job training
51-4041	Machinists	435	416	-19	-4.4%	0	10	10	Long-term on-the-job training
51-4061	Model Makers, Metal and Plastic	14	12	-2	-14.3%	0	0	0	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	13	14	1	7.7%	0	0	0	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	551	533	-18	-3.3%	0	16	16	Long-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24	24	0	0.0%	0	1	1	Moderate-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	11	9	-2	-18.2%	0	0	0	Moderate-term on-the-job training
51-5011	Bindery Workers	16	15	-1	-6.3%	0	0	0	Short-term on-the-job training
51-5022	Prepress Technicians and Workers	18	17	-1	-5.6%	0	0	0	Long-term on-the-job training
51-5023	Printing Machine Operators	34	36	2	5.9%	0	1	1	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	107	127	20	18.7%	2	3	5	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	10	11	1	10.0%	0	0	0	Short-term on-the-job training
51-6031	Sewing Machine Operators	76	89	13	17.1%	1	1	2	Moderate-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
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	14	12	-2	-14.3%	0	0	0	Moderate-term on-the-job training
51-6093	Upholsterers	16	17	1	6.3%	0	0	0	Long-term on-the-job training
51-6099	Textile, Apparel, and Furnishings Workers, All Other	12	12	0	0.0%	0	0	0	Short-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	86	82	-4	-4.7%	0	2	2	Long-term on-the-job training
51-7021	Furniture Finishers	24	23	-1	-4.2%	0	1	1	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	77	67	-10	-13.0%	0	2	2	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	167	136	-31	-18.6%	0	4	4	Moderate-term on-the-job training
51-7099	Woodworkers, All Other	42	37	-5	-11.9%	0	1	1	Moderate-term on-the-job training
51-8013	Power Plant Operators	23	23	0	0.0%	0	1	1	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	17	16	-1	-5.9%	0	0	0	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	44	55	11	25.0%	1	2	3	Long-term on-the-job training



**Employment and Job Openings for All Occupations in Coastal 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	
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	10	8	-2	-20.0%	0	0	0	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	11	11	0	0.0%	0	0	0	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	17	18	1	5.9%	0	0	0	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	32	31	-1	-3.1%	0	1	1	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	12	12	0	0.0%	0	0	0	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	93	105	12	12.9%	1	2	3	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	14	16	2	14.3%	0	0	0	Postsecondary vocational award
51-9111	Packaging and Filling Machine Operators and Tenders	138	145	7	5.1%	1	3	4	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	33	33	0	0.0%	0	1	1	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	105	113	8	7.6%	1	3	4	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	16	17	1	6.3%	0	0	0	Short-term on-the-job training
51-9131	Photographic Process Workers	14	13	-1	-7.1%	0	0	0	Moderate-term on-the-job training
51-9132	Photographic Processing Machine Operators	26	26	0	0.0%	0	1	1	Short-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	46	44	-2	-4.3%	0	1	1	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	122	126	4	3.3%	0	3	3	Short-term on-the-job training
51-9199	Production Workers, All Other	110	118	8	7.3%	1	3	4	Moderate-term on-the-job training
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>3,331</b>	<b>3,826</b>	<b>495</b>	<b>14.9%</b>	<b>51</b>	<b>73</b>	<b>124</b>	<b>NA</b>
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	39	47	8	20.5%	1	1	2	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	46	60	14	30.4%	1	1	2	Work experience in a related occupation
53-2012	Commercial Pilots	16	15	-1	-6.3%	0	0	0	Postsecondary vocational award
53-3021	Bus Drivers, Transit and Intercity	60	85	25	41.7%	3	1	4	Moderate-term on-the-job training
53-3022	Bus Drivers, School	174	193	19	10.9%	2	4	6	Short-term on-the-job training
53-3031	Driver/Sales Workers	107	113	6	5.6%	1	2	3	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	835	992	157	18.8%	16	14	30	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	313	402	89	28.4%	9	3	12	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	73	97	24	32.9%	2	1	3	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	33	42	9	27.3%	1	1	2	Short-term on-the-job training
53-5011	Sailors and Marine Oilers	60	73	13	21.7%	1	2	3	Short-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	93	101	8	8.6%	1	3	4	Work experience in a related occupation
53-6031	Service Station Attendants	112	130	18	16.1%	2	5	7	Short-term on-the-job training
53-7021	Crane and Tower Operators	47	45	-2	-4.3%	0	1	1	Moderate-term on-the-job training

**Employment and Job Openings for All Occupations in Coastal 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	
53-7032	Excavating and Loading Machine and Dragline Operators	90	100	10	11.1%	1	3	4	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	149	159	10	6.7%	1	3	4	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	79	97	18	22.8%	2	3	5	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	504	520	16	3.2%	2	17	19	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	85	79	-6	-7.1%	0	2	2	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	274	318	44	16.1%	4	5	9	Short-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	73	84	11	15.1%	1	2	3	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 Coastal 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	237	282	45	19.0%	5	5	10	Bachelor's degree
11-3011	Administrative Services Managers	71	84	13	18.3%	1	1	2	Bachelor's degree plus work experience
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	18	24	6	33.3%	1	0	1	Bachelor's degree
11-2011	Advertising and Promotions Managers	30	39	9	30.0%	1	1	2	Bachelor's degree plus work experience
41-3011	Advertising Sales Agents	50	61	11	22.0%	1	1	2	Moderate-term on-the-job training
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	11	23	12	109.1%	1	0	1	Bachelor's degree plus work experience
19-1010	Agricultural and Food Scientists	15	17	2	13.3%	0	0	0	Bachelor's degree
45-2091	Agricultural Equipment Operators	13	16	3	23.1%	0	0	0	Moderate-term on-the-job training
49-3011	Aircraft Mechanics and Service Technicians	11	15	4	36.4%	0	0	0	Postsecondary vocational award
39-3091	Amusement and Recreation Attendants	81	120	39	48.1%	4	2	6	Short-term on-the-job training
39-2011	Animal Trainers	14	11	-3	-21.4%	0	0	0	Moderate-term on-the-job training
13-2021	Appraisers and Assessors of Real Estate	36	47	11	30.6%	1	1	2	Postsecondary vocational award
17-1011	Architects, Except Landscape and Naval	41	50	9	22.0%	1	1	2	Bachelor's degree
17-3011	Architectural and Civil Drafters	45	48	3	6.7%	0	1	1	Postsecondary vocational award
25-4010	Archivists, Curators, and Museum Technicians	22	26	4	18.2%	0	1	1	Master's degree
27-1099	Art and Design Workers, All Other	29	35	6	20.7%	1	1	2	Bachelor's degree
51-2099	Assemblers and Fabricators, All Other	114	108	-6	-5.3%	0	3	3	Moderate-term on-the-job training
49-3021	Automotive Body and Related Repairers	84	108	24	28.6%	2	2	4	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	412	521	109	26.5%	11	11	22	Postsecondary vocational award
39-6011	Baggage Porters and Bellhops	12	13	1	8.3%	0	0	0	Short-term on-the-job training
51-3011	Bakers	61	76	15	24.6%	2	1	3	Long-term on-the-job training
39-5011	Barbers	35	39	4	11.4%	0	1	1	Postsecondary vocational award
35-3011	Bartenders	257	293	36	14.0%	4	10	14	Short-term on-the-job training
43-3011	Bill and Account Collectors	376	466	90	23.9%	9	7	16	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	170	190	20	11.8%	2	3	5	Moderate-term on-the-job training
51-5011	Bindery Workers	16	15	-1	-6.3%	0	0	0	Short-term on-the-job training
19-4021	Biological Technicians	38	48	10	26.3%	1	1	2	Associate degree
43-3031	Bookkeeping, Accounting, and Auditing Clerks	790	864	74	9.4%	7	15	22	Moderate-term on-the-job training
47-2021	Brickmasons and Blockmasons	36	40	4	11.1%	0	1	1	Long-term on-the-job training
13-2031	Budget Analysts	28	28	0	0.0%	0	1	1	Bachelor's degree

**Employment and Job Openings for All Occupations in Coastal 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	
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other	11	15	4	36.4%	0	0	0	Short-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	111	135	24	21.6%	2	3	5	Postsecondary vocational award
53-3022	Bus Drivers, School	174	193	19	10.9%	2	4	6	Short-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	60	85	25	41.7%	3	1	4	Moderate-term on-the-job training
13-1199	Business Operations Specialists, All Other	277	387	110	39.7%	11	5	16	Bachelor's degree
51-3021	Butchers and Meat Cutters	74	78	4	5.4%	0	2	2	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	86	82	-4	-4.7%	0	2	2	Long-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	93	101	8	8.6%	1	3	4	Work experience in a related occupation
29-2031	Cardiovascular Technologists and Technicians	13	21	8	61.5%	1	0	1	Associate degree
47-2031	Carpenters	2,023	2,113	90	4.4%	9	33	42	Long-term on-the-job training
47-2041	Carpet Installers	18	20	2	11.1%	0	0	0	Moderate-term on-the-job training
41-2011	Cashiers	1,662	2,060	398	23.9%	40	81	121	Short-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	58	71	13	22.4%	1	1	2	Moderate-term on-the-job training
35-1011	Chefs and Head Cooks	107	133	26	24.3%	3	3	6	Work experience in a related occupation
17-2041	Chemical Engineers	12	13	1	8.3%	0	0	0	Bachelor's degree
19-2031	Chemists	15	15	0	0.0%	0	1	1	Bachelor's degree
11-1011	Chief Executives	180	214	34	18.9%	3	3	6	Bachelor's degree plus work experience
39-9011	Child Care Workers	823	1,003	180	21.9%	18	22	40	Short-term on-the-job training
21-1021	Child, Family, and School Social Workers	137	183	46	33.6%	5	2	7	Bachelor's degree
29-1011	Chiropractors	21	28	7	33.3%	1	0	1	First Professional degree
17-3022	Civil Engineering Technicians	40	47	7	17.5%	1	1	2	Associate degree
17-2051	Civil Engineers	98	106	8	8.2%	1	2	3	Bachelor's degree
53-7061	Cleaners of Vehicles and Equipment	79	97	18	22.8%	2	3	5	Short-term on-the-job training
21-2011	Clergy	210	259	49	23.3%	5	4	9	First Professional degree
19-3031	Clinical, Counseling, and School Psychologists	58	82	24	41.4%	2	1	3	Doctoral degree
27-2022	Coaches and Scouts	104	132	28	26.9%	3	2	5	Long-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	33	33	0	0.0%	0	1	1	Moderate-term on-the-job training
51-2021	Coil Winders, Tapers, and Finishers	29	26	-3	-10.3%	0	1	1	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	992	1,297	305	30.7%	31	43	74	Short-term on-the-job training
53-2012	Commercial Pilots	16	15	-1	-6.3%	0	0	0	Postsecondary vocational award

**Employment and Job Openings for All Occupations in Coastal 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	
13-1072	Compensation, Benefits, and Job Analysis Specialists	24	29	5	20.8%	1	0	1	Bachelor's degree
13-1041	Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation	48	64	16	33.3%	2	1	3	Long-term on-the-job training
11-3021	Computer and Information Systems Managers	63	86	23	36.5%	2	1	3	Bachelor's degree plus work experience
43-9011	Computer Operators	34	27	-7	-20.6%	0	1	1	Moderate-term on-the-job training
15-1021	Computer Programmers	36	37	1	2.8%	0	1	1	Bachelor's degree
15-1031	Computer Software Engineers, Applications	45	57	12	26.7%	1	0	1	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	13	17	4	30.8%	0	0	0	Bachelor's degree
15-1041	Computer Support Specialists	80	103	23	28.8%	2	1	3	Associate degree
15-1051	Computer Systems Analysts	66	89	23	34.8%	2	1	3	Bachelor's degree
49-2011	Computer, Automated Teller, and Office Machine Repairers	25	29	4	16.0%	0	0	0	Postsecondary vocational award
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	20	21	1	5.0%	0	0	0	Moderate-term on-the-job training
19-1031	Conservation Scientists	30	34	4	13.3%	0	1	1	Bachelor's degree
47-4011	Construction and Building Inspectors	13	16	3	23.1%	0	0	0	Work experience in a related occupation
47-2061	Construction Laborers	381	428	47	12.3%	5	5	10	Moderate-term on-the-job training
11-9021	Construction Managers	154	174	20	13.0%	2	3	5	Bachelor's degree
47-4999	Construction Trades and Related Workers, All Other	14	15	1	7.1%	0	0	0	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	21	28	7	33.3%	1	1	2	Moderate-term on-the-job training
35-2011	Cooks, Fast Food	190	217	27	14.2%	3	6	9	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	233	252	19	8.2%	2	7	9	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	433	533	100	23.1%	10	13	23	Long-term on-the-job training
35-2015	Cooks, Short Order	173	199	26	15.0%	3	5	8	Short-term on-the-job training
33-3012	Correctional Officers and Jailers	121	165	44	36.4%	4	3	7	Moderate-term on-the-job training
13-1051	Cost Estimators	62	67	5	8.1%	1	1	2	Work experience in a related occupation
21-9099	Counselors, Social, and Religious Workers, All Other	70	105	35	50.0%	4	1	5	Bachelor's degree
41-2021	Counter and Rental Clerks	125	166	41	32.8%	4	5	9	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	173	226	53	30.6%	5	11	16	Short-term on-the-job training
43-5021	Couriers and Messengers	12	13	1	8.3%	0	0	0	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	72	95	23	31.9%	2	2	4	Short-term on-the-job training
53-7021	Crane and Tower Operators	47	45	-2	-4.3%	0	1	1	Moderate-term on-the-job training
33-9091	Crossing Guards	29	40	11	37.9%	1	1	2	Short-term on-the-job training

**Employment and Job Openings for All Occupations in Coastal 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	
43-4051	Customer Service Representatives	629	770	141	22.4%	14	9	23	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	11	11	0	0.0%	0	0	0	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	17	18	1	5.9%	0	0	0	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	39	44	5	12.8%	1	1	2	Moderate-term on-the-job training
43-9021	Data Entry Keyers	66	62	-4	-6.1%	0	2	2	Moderate-term on-the-job training
41-9011	Demonstrators and Product Promoters	36	51	15	41.7%	2	1	3	Moderate-term on-the-job training
31-9091	Dental Assistants	88	126	38	43.2%	4	3	7	Moderate-term on-the-job training
29-2021	Dental Hygienists	97	137	40	41.2%	4	1	5	Associate degree
29-1020	Dentists	57	61	4	7.0%	0	1	1	First Professional degree
33-3021	Detectives and Criminal Investigators	24	34	10	41.7%	1	1	2	Work experience in a related occupation
29-2051	Dietetic Technicians	10	14	4	40.0%	0	0	0	Moderate-term on-the-job training
29-1031	Dietitians and Nutritionists	16	24	8	50.0%	1	0	1	Bachelor's degree
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	165	202	37	22.4%	4	6	10	Short-term on-the-job training
21-2021	Directors, Religious Activities and Education	22	29	7	31.8%	1	0	1	Bachelor's degree
35-9021	Dishwashers	358	405	47	13.1%	5	12	17	Short-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	60	75	15	25.0%	2	1	3	Moderate-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	61	80	19	31.1%	2	1	3	Short-term on-the-job training
17-3099	Drafters, Engineering, and Mapping Technicians, All Other	97	90	-7	-7.2%	0	2	2	Associate degree
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	11	12	1	9.1%	0	0	0	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	107	113	6	5.6%	1	2	3	Short-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	62	72	10	16.1%	1	1	2	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	13	14	1	7.7%	0	0	0	Moderate-term on-the-job training
27-3041	Editors	53	65	12	22.6%	1	1	2	Bachelor's degree
11-9032	Education Administrators, Elementary and Secondary School	160	188	28	17.5%	3	4	7	Bachelor's degree plus work experience
11-9031	Education Administrators, Preschool and Child Care Center/Program	15	20	5	33.3%	1	0	1	Bachelor's degree plus work experience
21-1012	Educational, Vocational, and School Counselors	111	125	14	12.6%	1	3	4	Master's degree
49-2092	Electric Motor, Power Tool, and Related Repairers	20	20	0	0.0%	0	1	1	Postsecondary vocational award
17-3023	Electrical and Electronic Engineering Technicians	33	36	3	9.1%	0	1	1	Associate degree
51-2022	Electrical and Electronic Equipment Assemblers	36	34	-2	-5.6%	0	1	1	Short-term on-the-job training
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	34	34	0	0.0%	0	1	1	Postsecondary vocational award

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(Sorted Alphabetically)

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		2002	2012	Net	Percent	Growth	Replacement	Total	
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	12	11	-1	-8.3%	0	0	0	Postsecondary vocational award
17-2071	Electrical Engineers	25	25	0	0.0%	0	1	1	Bachelor's degree
49-9051	Electrical Power-Line Installers and Repairers	60	69	9	15.0%	1	2	3	Long-term on-the-job training
47-2111	Electricians	736	756	20	2.7%	2	15	17	Long-term on-the-job training
17-2072	Electronics Engineers, Except Computer	22	25	3	13.6%	0	0	0	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	765	841	76	9.9%	8	17	25	Bachelor's degree
47-4021	Elevator Installers and Repairers	17	17	0	0.0%	0	0	0	Long-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	48	46	-2	-4.2%	0	1	1	Moderate-term on-the-job training
29-2041	Emergency Medical Technicians and Paramedics	113	152	39	34.5%	4	1	5	Postsecondary vocational award
13-1071	Employment, Recruitment, and Placement Specialists	36	44	8	22.2%	1	1	2	Bachelor's degree
51-2031	Engine and Other Machine Assemblers	20	17	-3	-15.0%	0	1	1	Short-term on-the-job training
11-9041	Engineering Managers	98	95	-3	-3.1%	0	2	2	Bachelor's degree plus work experience
17-2199	Engineers, All Other	292	263	-29	-9.9%	0	6	6	Bachelor's degree
17-2081	Environmental Engineers	12	17	5	41.7%	1	0	1	Bachelor's degree
19-4091	Environmental Science and Protection Technicians, Including Health	12	17	5	41.7%	1	0	1	Associate degree
19-2041	Environmental Scientists and Specialists, Including Health	34	48	14	41.2%	1	1	2	Master's degree
53-7032	Excavating and Loading Machine and Dragline Operators	90	100	10	11.1%	1	3	4	Moderate-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	314	345	31	9.9%	3	6	9	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	32	31	-1	-3.1%	0	1	1	Moderate-term on-the-job training
45-4021	Fallers	15	16	1	6.7%	0	0	0	Moderate-term on-the-job training
29-1062	Family and General Practitioners	51	69	18	35.3%	2	1	3	First Professional degree
11-9011	Farm, Ranch, and Other Agricultural Managers	44	64	20	45.5%	2	1	3	Bachelor's degree plus work experience
11-9012	Farmers and Ranchers	164	180	16	9.8%	2	1	3	Long-term on-the-job training
45-9099	Farming, Fishing, and Forestry Workers, All Other	24	34	10	41.7%	1	1	2	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	102	133	31	30.4%	3	3	6	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	50	67	17	34.0%	2	1	3	Short-term on-the-job training
47-4031	Fence Erectors	32	33	1	3.1%	0	1	1	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	401	327	-74	-18.5%	0	10	10	Moderate-term on-the-job training
43-4071	File Clerks	40	45	5	12.5%	1	1	2	Short-term on-the-job training
13-2051	Financial Analysts	16	22	6	37.5%	1	0	1	Bachelor's degree

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		2002	2012	Net	Percent	Growth	Replacement	Total	
11-3031	Financial Managers	225	268	43	19.1%	4	3	7	Bachelor's degree plus work experience
13-2099	Financial Specialists, All Other	25	34	9	36.0%	1	0	1	Bachelor's degree
43-4999	Financial, Information, and Record Clerks, All Other	78	100	22	28.2%	2	1	3	Short-term on-the-job training
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	89	106	17	19.1%	2	2	4	Long-term on-the-job training
33-2011	Fire Fighters	174	245	71	40.8%	7	5	12	Long-term on-the-job training
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	337	371	34	10.1%	3	6	9	Work experience in a related occupation
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	23	29	6	26.1%	1	1	2	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	13	19	6	46.2%	1	1	2	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	323	393	70	21.7%	7	8	15	Work experience in a related occupation
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	39	47	8	20.5%	1	1	2	Work experience in a related occupation
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	104	128	24	23.1%	2	3	5	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers	71	93	22	31.0%	2	1	3	Work experience in a related occupation
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	136	177	41	30.1%	4	3	7	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	275	335	60	21.8%	6	5	11	Work experience in a related occupation
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	446	501	55	12.3%	6	10	16	Work experience in a related occupation
39-1021	First-Line Supervisors/Managers of Personal Service Workers	61	95	34	55.7%	3	2	5	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	33	45	12	36.4%	1	1	2	Work experience in a related occupation
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	573	550	-23	-4.0%	0	12	12	Work experience in a related occupation
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	819	1,027	208	25.4%	21	15	36	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators	46	60	14	30.4%	1	1	2	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	19	22	3	15.8%	0	1	1	Work experience in a related occupation
33-3031	Fish and Game Wardens	10	11	1	10.0%	0	0	0	Long-term on-the-job training
45-3011	Fishers and Related Fishing Workers	1,484	1,663	179	12.1%	18	42	60	Moderate-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	115	171	56	48.7%	6	3	9	Postsecondary vocational award
47-2043	Floor Sanders and Finishers	13	13	0	0.0%	0	0	0	Moderate-term on-the-job training
27-1023	Floral Designers	41	51	10	24.4%	1	1	2	Moderate-term on-the-job training
35-2021	Food Preparation Workers	652	844	192	29.4%	19	23	42	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	99	113	14	14.1%	1	3	4	Short-term on-the-job training
11-9051	Food Service Managers	199	250	51	25.6%	5	3	8	Work experience in a related occupation
19-1032	Foresters	10	14	4	40.0%	0	0	0	Bachelor's degree



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39-4021	Funeral Attendants	11	16	5	45.5%	1	0	1	Short-term on-the-job training
11-9061	Funeral Directors	14	18	4	28.6%	0	0	0	Associate degree
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	12	12	0	0.0%	0	0	0	Moderate-term on-the-job training
51-7021	Furniture Finishers	24	23	-1	-4.2%	0	1	1	Long-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	16	20	4	25.0%	0	1	1	Postsecondary vocational award
11-1021	General and Operations Managers	1,006	1,218	212	21.1%	21	19	40	Bachelor's degree plus work experience
45-2041	Graders and Sorters, Agricultural Products	23	25	2	8.7%	0	1	1	Work experience in a related occupation
25-1191	Graduate Teaching Assistants	14	17	3	21.4%	0	0	0	Bachelor's degree
27-1024	Graphic Designers	43	52	9	20.9%	1	1	2	Bachelor's degree
51-4033	Grinding/Lapping/Polishing&Buffing Machine Tool Setters/Operators/Tenders, Metal&Plastic	10	10	0	0.0%	0	0	0	Moderate-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	293	359	66	22.5%	7	6	13	Postsecondary vocational award
47-4041	Hazardous Materials Removal Workers	17	21	4	23.5%	0	0	0	Moderate-term on-the-job training
21-1091	Health Educators	18	23	5	27.8%	1	0	1	Master's degree
29-9199	Health Professionals and Technicians, All Other	22	34	12	54.5%	1	0	1	Postsecondary vocational award
25-1071	Health Specialties Teachers, Postsecondary	19	24	5	26.3%	1	0	1	Master's degree
31-9099	Healthcare Support Workers, All Other	25	37	12	48.0%	1	1	2	Short-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	181	241	60	33.1%	6	2	8	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	23	22	-1	-4.3%	0	1	1	Short-term on-the-job training
47-3012	Helpers--Carpenters	61	66	5	8.2%	1	3	4	Short-term on-the-job training
47-3013	Helpers--Electricians	37	37	0	0.0%	0	2	2	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	40	55	15	37.5%	2	1	3	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	11	11	0	0.0%	0	1	1	Short-term on-the-job training
51-9198	Helpers--Production Workers	122	126	4	3.3%	0	3	3	Short-term on-the-job training
47-4051	Highway Maintenance Workers	178	226	48	27.0%	5	3	8	Moderate-term on-the-job training
49-9031	Home Appliance Repairers	17	18	1	5.9%	0	0	0	Long-term on-the-job training
31-1011	Home Health Aides	386	593	207	53.6%	21	5	26	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	174	216	42	24.1%	4	6	10	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	183	235	52	28.4%	5	8	13	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32	41	9	28.1%	1	1	2	Short-term on-the-job training
11-3040	Human Resources Managers	71	92	21	29.6%	2	1	3	Bachelor's degree plus work experience

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17-3026	Industrial Engineering Technicians	58	52	-6	-10.3%	0	1	1	Associate degree
17-2112	Industrial Engineers	17	19	2	11.8%	0	0	0	Bachelor's degree
49-9041	Industrial Machinery Mechanics	34	38	4	11.8%	0	1	1	Long-term on-the-job training
11-3051	Industrial Production Managers	51	53	2	3.9%	0	1	1	Bachelor's degree
53-7051	Industrial Truck and Tractor Operators	149	159	10	6.7%	1	3	4	Short-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	93	105	12	12.9%	1	2	3	Moderate-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	54	65	11	20.4%	1	1	2	Moderate-term on-the-job training
25-9031	Instructional Coordinators	30	40	10	33.3%	1	1	2	Master's degree
47-2130	Insulation Workers	221	193	-28	-12.7%	0	7	7	Moderate-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	22	25	3	13.6%	0	0	0	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	87	105	18	20.7%	2	2	4	Bachelor's degree
27-1025	Interior Designers	19	23	4	21.1%	0	0	0	Bachelor's degree
29-1063	Internists, General	20	26	6	30.0%	1	0	1	First Professional degree
27-3091	Interpreters and Translators	11	13	2	18.2%	0	0	0	Long-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	34	55	21	61.8%	2	1	3	Short-term on-the-job training
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,064	1,275	211	19.8%	21	20	41	Short-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	14	16	2	14.3%	0	0	0	Postsecondary vocational award
25-2012	Kindergarten Teachers, Except Special Education	140	172	32	22.9%	3	2	5	Bachelor's degree
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	504	520	16	3.2%	2	17	19	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	532	706	174	32.7%	17	12	29	Short-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	10	9	-1	-10.0%	0	0	0	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	107	127	20	18.7%	2	3	5	Moderate-term on-the-job training
23-1011	Lawyers	186	227	41	22.0%	4	2	6	First Professional degree
23-9099	Legal and Related Workers, All Other	29	42	13	44.8%	1	0	1	Bachelor's degree
43-6012	Legal Secretaries	76	86	10	13.2%	1	2	3	Postsecondary vocational award
11-1031	Legislators	35	43	8	22.9%	1	0	1	Bachelor's degree plus work experience
25-4021	Librarians	55	61	6	10.9%	1	1	2	Master's degree
43-4121	Library Assistants, Clerical	13	20	7	53.8%	1	1	2	Short-term on-the-job training
25-4031	Library Technicians	84	101	17	20.2%	2	3	5	Short-term on-the-job training
29-2061	Licensed Practical and Licensed Vocational Nurses	177	222	45	25.4%	5	4	9	Postsecondary vocational award

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19-4099	Life, Physical, and Social Science Technicians, All Other	12	12	0	0.0%	0	0	0	Associate degree
13-2071	Loan Counselors	49	56	7	14.3%	1	1	2	Bachelor's degree
43-4131	Loan Interviewers and Clerks	133	115	-18	-13.5%	0	2	2	Short-term on-the-job training
13-2072	Loan Officers	313	384	71	22.7%	7	5	12	Bachelor's degree
11-9081	Lodging Managers	80	92	12	15.0%	1	1	2	Work experience in a related occupation
45-4023	Log Graders and Scalers	11	12	1	9.1%	0	0	0	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	41	44	3	7.3%	0	1	1	Moderate-term on-the-job training
53-7063	Machine Feeders and Offbearers	85	79	-6	-7.1%	0	2	2	Short-term on-the-job training
51-4041	Machinists	435	416	-19	-4.4%	0	10	10	Long-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	1,020	1,200	180	17.6%	18	21	39	Short-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	43	43	0	0.0%	0	1	1	Short-term on-the-job training
49-9042	Maintenance and Repair Workers, General	537	616	79	14.7%	8	10	18	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	36	38	2	5.6%	0	1	1	Short-term on-the-job training
13-1111	Management Analysts	113	143	30	26.5%	3	2	5	Bachelor's degree plus work experience
11-9199	Managers, All Other	447	461	14	3.1%	1	9	10	Work experience in a related occupation
49-9095	Manufactured Building and Mobile Home Installers	24	33	9	37.5%	1	1	2	Moderate-term on-the-job training
19-3021	Market Research Analysts	27	30	3	11.1%	0	1	1	Master's degree
11-2021	Marketing Managers	49	70	21	42.9%	2	1	3	Bachelor's degree plus work experience
31-9011	Massage Therapists	31	50	19	61.3%	2	1	3	Postsecondary vocational award
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	147	144	-3	-2.0%	0	3	3	Short-term on-the-job training
17-3013	Mechanical Drafters	464	366	-98	-21.1%	0	13	13	Postsecondary vocational award
17-2141	Mechanical Engineers	31	32	1	3.2%	0	1	1	Bachelor's degree
27-3099	Media and Communication Workers, All Other	13	18	5	38.5%	1	0	1	Long-term on-the-job training
29-2012	Medical and Clinical Laboratory Technicians	27	38	11	40.7%	1	1	2	Associate degree
29-2011	Medical and Clinical Laboratory Technologists	31	42	11	35.5%	1	1	2	Bachelor's degree
11-9111	Medical and Health Services Managers	96	133	37	38.5%	4	2	6	Bachelor's degree plus work experience
21-1022	Medical and Public Health Social Workers	44	63	19	43.2%	2	1	3	Bachelor's degree
31-9092	Medical Assistants	114	201	87	76.3%	9	2	11	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	11	14	3	27.3%	0	0	0	Short-term on-the-job training
29-2071	Medical Records and Health Information Technicians	60	103	43	71.7%	4	1	5	Associate degree

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43-6013	Medical Secretaries	144	183	39	27.1%	4	3	7	Postsecondary vocational award
31-9094	Medical Transcriptionists	43	57	14	32.6%	1	1	2	Postsecondary vocational award
21-1023	Mental Health and Substance Abuse Social Workers	97	143	46	47.4%	5	2	7	Master's degree
21-1014	Mental Health Counselors	59	80	21	35.6%	2	1	3	Master's degree
27-1026	Merchandise Displayers and Window Trimmers	16	23	7	43.8%	1	0	1	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	25	25	0	0.0%	0	1	1	Short-term on-the-job training
25-2022	Middle School Teachers, Except Special and Vocational Education	435	454	19	4.4%	2	10	12	Bachelor's degree
49-9044	Millwrights	53	49	-4	-7.5%	0	1	1	Long-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	10	8	-2	-20.0%	0	0	0	Moderate-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	65	83	18	27.7%	2	1	3	Postsecondary vocational award
51-4061	Model Makers, Metal and Plastic	14	12	-2	-14.3%	0	0	0	Moderate-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	46	44	-2	-4.3%	0	1	1	Moderate-term on-the-job training
39-3021	Motion Picture Projectionists	12	15	3	25.0%	0	1	1	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	33	42	9	27.3%	1	1	2	Short-term on-the-job training
49-3051	Motorboat Mechanics	133	154	21	15.8%	2	3	5	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	19	24	5	26.3%	1	0	1	Bachelor's degree
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	13	14	1	7.7%	0	0	0	Moderate-term on-the-job training
27-2041	Music Directors and Composers	20	26	6	30.0%	1	0	1	Bachelor's degree plus work experience
27-2042	Musicians and Singers	51	68	17	33.3%	2	1	3	Long-term on-the-job training
11-9121	Natural Sciences Managers	12	15	3	25.0%	0	0	0	Bachelor's degree plus work experience
15-1071	Network and Computer Systems Administrators	52	67	15	28.8%	2	1	3	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	23	31	8	34.8%	1	0	1	Bachelor's degree
43-4141	New Accounts Clerks	39	46	7	17.9%	1	1	2	Work experience in a related occupation
27-3020	News Analysts, Reporters and Correspondents	26	33	7	26.9%	1	1	2	Bachelor's degree plus work experience
39-2021	Nonfarm Animal Caretakers	35	46	11	31.4%	1	1	2	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	804	1,019	215	26.7%	22	11	33	Short-term on-the-job training
29-9010	Occupational Health and Safety Specialists and Technicians	24	27	3	12.5%	0	1	1	Bachelor's degree
29-1122	Occupational Therapists	36	53	17	47.2%	2	1	3	Bachelor's degree
43-9061	Office Clerks, General	1,047	1,124	77	7.4%	8	23	31	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	15	14	-1	-6.7%	0	0	0	Short-term on-the-job training

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47-2073	Operating Engineers and Other Construction Equipment Operators	211	231	20	9.5%	2	5	7	Moderate-term on-the-job training
29-2081	Opticians, Dispensing	11	15	4	36.4%	0	0	0	Long-term on-the-job training
29-1041	Optometrists	12	18	6	50.0%	1	0	1	First Professional degree
43-4151	Order Clerks	53	48	-5	-9.4%	0	1	1	Short-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	49	71	22	44.9%	2	1	3	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	138	145	7	5.1%	1	3	4	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	274	318	44	16.1%	4	5	9	Short-term on-the-job training
47-2141	Painters, Construction and Maintenance	1,044	980	-64	-6.1%	0	16	16	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	105	113	8	7.6%	1	3	4	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	16	17	1	6.3%	0	0	0	Short-term on-the-job training
47-2142	Paperhangers	15	15	0	0.0%	0	0	0	Moderate-term on-the-job training
23-2011	Paralegals and Legal Assistants	59	74	15	25.4%	2	1	3	Associate degree
41-2022	Parts Salespersons	154	169	15	9.7%	2	4	6	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	37	44	7	18.9%	1	1	2	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	75	75	0	0.0%	0	2	2	Moderate-term on-the-job training
39-9021	Personal and Home Care Aides	360	537	177	49.2%	18	6	24	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	46	66	20	43.5%	2	1	3	Short-term on-the-job training
13-2052	Personal Financial Advisors	25	35	10	40.0%	1	0	1	Bachelor's degree
37-2021	Pest Control Workers	13	15	2	15.4%	0	0	0	Moderate-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	12	12	0	0.0%	0	0	0	Moderate-term on-the-job training
29-1051	Pharmacists	70	97	27	38.6%	3	1	4	First Professional degree
29-2052	Pharmacy Technicians	81	115	34	42.0%	3	1	4	Moderate-term on-the-job training
27-4021	Photographers	31	40	9	29.0%	1	1	2	Long-term on-the-job training
51-9131	Photographic Process Workers	14	13	-1	-7.1%	0	0	0	Moderate-term on-the-job training
51-9132	Photographic Processing Machine Operators	26	26	0	0.0%	0	1	1	Short-term on-the-job training
31-2022	Physical Therapist Aides	11	15	4	36.4%	0	0	0	Short-term on-the-job training
31-2021	Physical Therapist Assistants	22	39	17	77.3%	2	0	2	Associate degree
29-1123	Physical Therapists	70	105	35	50.0%	4	1	5	Master's degree
29-1071	Physician Assistants	42	71	29	69.0%	3	1	4	Bachelor's degree
29-1069	Physicians and Surgeons, All Other	62	81	19	30.6%	2	1	3	First Professional degree

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47-2151	Pipelayers	30	36	6	20.0%	1	1	2	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	543	505	-38	-7.0%	0	13	13	Long-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	188	281	93	49.5%	9	5	14	Long-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	61	80	19	31.1%	2	1	3	Moderate-term on-the-job training
43-5051	Postal Service Clerks	70	67	-3	-4.3%	0	2	2	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	177	172	-5	-2.8%	0	6	6	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	56	49	-7	-12.5%	0	2	2	Short-term on-the-job training
11-9131	Postmasters and Mail Superintendents	46	44	-2	-4.3%	0	1	1	Work experience in a related occupation
51-8013	Power Plant Operators	23	23	0	0.0%	0	1	1	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	18	17	-1	-5.6%	0	0	0	Long-term on-the-job training
25-2011	Preschool Teachers, Except Special Education	193	249	56	29.0%	6	2	8	Postsecondary vocational award
51-6021	Pressers, Textile, Garment, and Related Materials	10	11	1	10.0%	0	0	0	Short-term on-the-job training
51-5023	Printing Machine Operators	34	36	2	5.9%	0	1	1	Moderate-term on-the-job training
21-1092	Probation Officers and Correctional Treatment Specialists	29	37	8	27.6%	1	1	2	Bachelor's degree
43-3061	Procurement Clerks	12	11	-1	-8.3%	0	0	0	Short-term on-the-job training
27-2012	Producers and Directors	10	17	7	70.0%	1	0	1	Bachelor's degree plus work experience
51-9199	Production Workers, All Other	110	118	8	7.3%	1	3	4	Moderate-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	343	314	-29	-8.5%	0	8	8	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	11	11	0	0.0%	0	0	0	Short-term on-the-job training
11-9141	Property, Real Estate, and Community Association Managers	54	74	20	37.0%	2	1	3	Bachelor's degree
33-9099	Protective Service Workers, All Other	42	54	12	28.6%	1	3	4	Short-term on-the-job training
31-1013	Psychiatric Aides	10	16	6	60.0%	1	0	1	Short-term on-the-job training
29-2053	Psychiatric Technicians	11	15	4	36.4%	0	0	0	Moderate-term on-the-job training
29-1066	Psychiatrists	12	17	5	41.7%	1	0	1	First Professional degree
11-2031	Public Relations Managers	15	22	7	46.7%	1	0	1	Bachelor's degree plus work experience
27-3031	Public Relations Specialists	28	37	9	32.1%	1	0	1	Bachelor's degree
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	77	84	7	9.1%	1	2	3	Work experience in a related occupation
11-3061	Purchasing Managers	90	81	-9	-10.0%	0	2	2	Bachelor's degree plus work experience
29-2034	Radiologic Technologists and Technicians	50	67	17	34.0%	2	1	3	Associate degree
41-9021	Real Estate Brokers	66	86	20	30.3%	2	1	3	Work experience in a related occupation

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41-9022	Real Estate Sales Agents	29	39	10	34.5%	1	1	2	Postsecondary vocational award
43-4171	Receptionists and Information Clerks	317	431	114	36.0%	11	8	19	Short-term on-the-job training
39-9032	Recreation Workers	101	142	41	40.6%	4	2	6	Bachelor's degree
29-1125	Recreational Therapists	14	16	2	14.3%	0	0	0	Bachelor's degree
49-3092	Recreational Vehicle Service Technicians	19	30	11	57.9%	1	1	2	Long-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	73	84	11	15.1%	1	2	3	Short-term on-the-job training
29-1111	Registered Nurses	885	1,230	345	39.0%	35	19	54	Associate degree
21-1015	Rehabilitation Counselors	112	158	46	41.1%	5	3	8	Master's degree
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	11	16	5	45.5%	1	0	1	Short-term on-the-job training
39-9041	Residential Advisors	40	59	19	47.5%	2	1	3	Moderate-term on-the-job training
29-1126	Respiratory Therapists	26	39	13	50.0%	1	1	2	Associate degree
41-2031	Retail Salespersons	1,476	1,707	231	15.7%	23	54	77	Short-term on-the-job training
49-9096	Riggers	104	99	-5	-4.8%	0	2	2	Short-term on-the-job training
47-2181	Roofers	44	49	5	11.4%	1	1	2	Moderate-term on-the-job training
53-5011	Sailors and Marine Oilers	60	73	13	21.7%	1	2	3	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	143	195	52	36.4%	5	3	8	Moderate-term on-the-job training
11-2022	Sales Managers	121	162	41	33.9%	4	2	6	Bachelor's degree plus work experience
41-4011	Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	54	66	12	22.2%	1	1	2	Moderate-term on-the-job training
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products	320	378	58	18.1%	6	8	14	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	77	67	-10	-13.0%	0	2	2	Moderate-term on-the-job training
25-2031	Secondary School Teachers, Except Special and Vocational Education	737	835	98	13.3%	10	21	31	Bachelor's degree
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other	64	62	-2	-3.1%	0	1	1	Short-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	817	818	1	0.1%	0	16	16	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	29	37	8	27.6%	1	0	1	Bachelor's degree
33-9032	Security Guards	265	300	35	13.2%	4	6	10	Short-term on-the-job training
25-3021	Self-Enrichment Education Teachers	152	267	115	75.7%	12	2	14	Work experience in a related occupation
53-6031	Service Station Attendants	112	130	18	16.1%	2	5	7	Short-term on-the-job training
51-6031	Sewing Machine Operators	76	89	13	17.1%	1	1	2	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	307	286	-21	-6.8%	0	7	7	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	191	193	2	1.0%	0	4	4	Short-term on-the-job training

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39-5094	Skin Care Specialists	10	13	3	30.0%	0	0	0	Postsecondary vocational award
11-9151	Social and Community Service Managers	91	129	38	41.8%	4	2	6	Bachelor's degree
21-1093	Social and Human Service Assistants	259	452	193	74.5%	19	5	24	Moderate-term on-the-job training
19-3099	Social Scientists and Related Workers, All Other	12	14	2	16.7%	0	0	0	Master's degree
25-2042	Special Education Teachers, Middle School	64	81	17	26.6%	2	2	4	Bachelor's degree
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	162	203	41	25.3%	4	4	8	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	83	104	21	25.3%	2	2	4	Bachelor's degree
29-1127	Speech-Language Pathologists	67	84	17	25.4%	2	2	4	Master's degree
51-8021	Stationary Engineers and Boiler Operators	17	16	-1	-5.9%	0	0	0	Long-term on-the-job training
43-5081	Stock Clerks and Order Fillers	522	533	11	2.1%	1	19	20	Short-term on-the-job training
47-2022	Stonemasons	12	14	2	16.7%	0	0	0	Long-term on-the-job training
47-2221	Structural Iron and Steel Workers	23	27	4	17.4%	0	1	1	Long-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	408	331	-77	-18.9%	0	10	10	Moderate-term on-the-job training
21-1011	Substance Abuse and Behavioral Disorder Counselors	33	43	10	30.3%	1	1	2	Master's degree
29-1067	Surgeons	32	43	11	34.4%	1	0	1	First Professional degree
29-2055	Surgical Technologists	22	33	11	50.0%	1	0	1	Postsecondary vocational award
17-3031	Surveying and Mapping Technicians	28	37	9	32.1%	1	1	2	Moderate-term on-the-job training
17-1022	Surveyors	24	22	-2	-8.3%	0	1	1	Bachelor's degree
43-2011	Switchboard Operators, Including Answering Service	64	68	4	6.3%	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
13-2081	Tax Examiners, Collectors, and Revenue Agents	57	78	21	36.8%	2	1	3	Bachelor's degree
13-2082	Tax Preparers	12	14	2	16.7%	0	0	0	Moderate-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	73	97	24	32.9%	2	1	3	Short-term on-the-job training
25-9041	Teacher Assistants	913	1,071	158	17.3%	16	18	34	Short-term on-the-job training
25-3999	Teachers, Primary, Secondary, and Adult, All Other	336	457	121	36.0%	12	4	16	Bachelor's degree
51-2092	Team Assemblers	277	246	-31	-11.2%	0	7	7	Moderate-term on-the-job training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	51	55	4	7.8%	0	1	1	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	19	20	1	5.3%	0	1	1	Long-term on-the-job training
41-9041	Telemarketers	1,041	959	-82	-7.9%	0	17	17	Short-term on-the-job training
43-3071	Tellers	256	303	47	18.4%	5	13	18	Short-term on-the-job training



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51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	14	12	-2	-14.3%	0	0	0	Moderate-term on-the-job training
51-6099	Textile, Apparel, and Furnishings Workers, All Other	12	12	0	0.0%	0	0	0	Short-term on-the-job training
49-3093	Tire Repairers and Changers	45	53	8	17.8%	1	2	3	Short-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	11	9	-2	-18.2%	0	0	0	Moderate-term on-the-job training
39-6021	Tour Guides and Escorts	38	53	15	39.5%	2	1	3	Moderate-term on-the-job training
13-1073	Training and Development Specialists	71	96	25	35.2%	3	1	4	Bachelor's degree
11-3071	Transportation, Storage, and Distribution Managers	25	35	10	40.0%	1	1	2	Work experience in a related occupation
41-3041	Travel Agents	14	11	-3	-21.4%	0	0	0	Postsecondary vocational award
37-3013	Tree Trimmers and Pruners	14	17	3	21.4%	0	0	0	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	835	992	157	18.8%	16	14	30	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	313	402	89	28.4%	9	3	12	Short-term on-the-job training
51-6093	Upholsterers	16	17	1	6.3%	0	0	0	Long-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	22	31	9	40.9%	1	1	2	Short-term on-the-job training
29-1131	Veterinarians	33	47	14	42.4%	1	1	2	First Professional degree
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	46	58	12	26.1%	1	1	2	Short-term on-the-job training
29-2056	Veterinary Technologists and Technicians	44	62	18	40.9%	2	1	3	Associate degree
25-2023	Vocational Education Teachers, Middle School	10	10	0	0.0%	0	0	0	Bachelor's degree plus work experience
25-1194	Vocational Education Teachers, Postsecondary	17	23	6	35.3%	1	0	1	Work experience in a related occupation
25-2032	Vocational Education Teachers, Secondary School	33	34	1	3.0%	0	1	1	Bachelor's degree plus work experience
35-3031	Waiters and Waitresses	1,153	1,445	292	25.3%	29	59	88	Short-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	44	55	11	25.0%	1	2	3	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	551	533	-18	-3.3%	0	16	16	Long-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24	24	0	0.0%	0	1	1	Moderate-term on-the-job training
13-1022	Wholesale and Retail Buyers, Except Farm Products	69	74	5	7.2%	1	2	3	Work experience in a related occupation
51-7099	Woodworkers, All Other	42	37	-5	-11.9%	0	1	1	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	167	136	-31	-18.6%	0	4	4	Moderate-term on-the-job training
43-9022	Word Processors and Typists	98	61	-37	-37.8%	0	2	2	Moderate-term on-the-job training
27-3043	Writers and Authors	47	59	12	25.5%	1	1	2	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	12	16	4	33.3%	0	0	0	Bachelor's degree

### Education and Training Requirement Definitions

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



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