

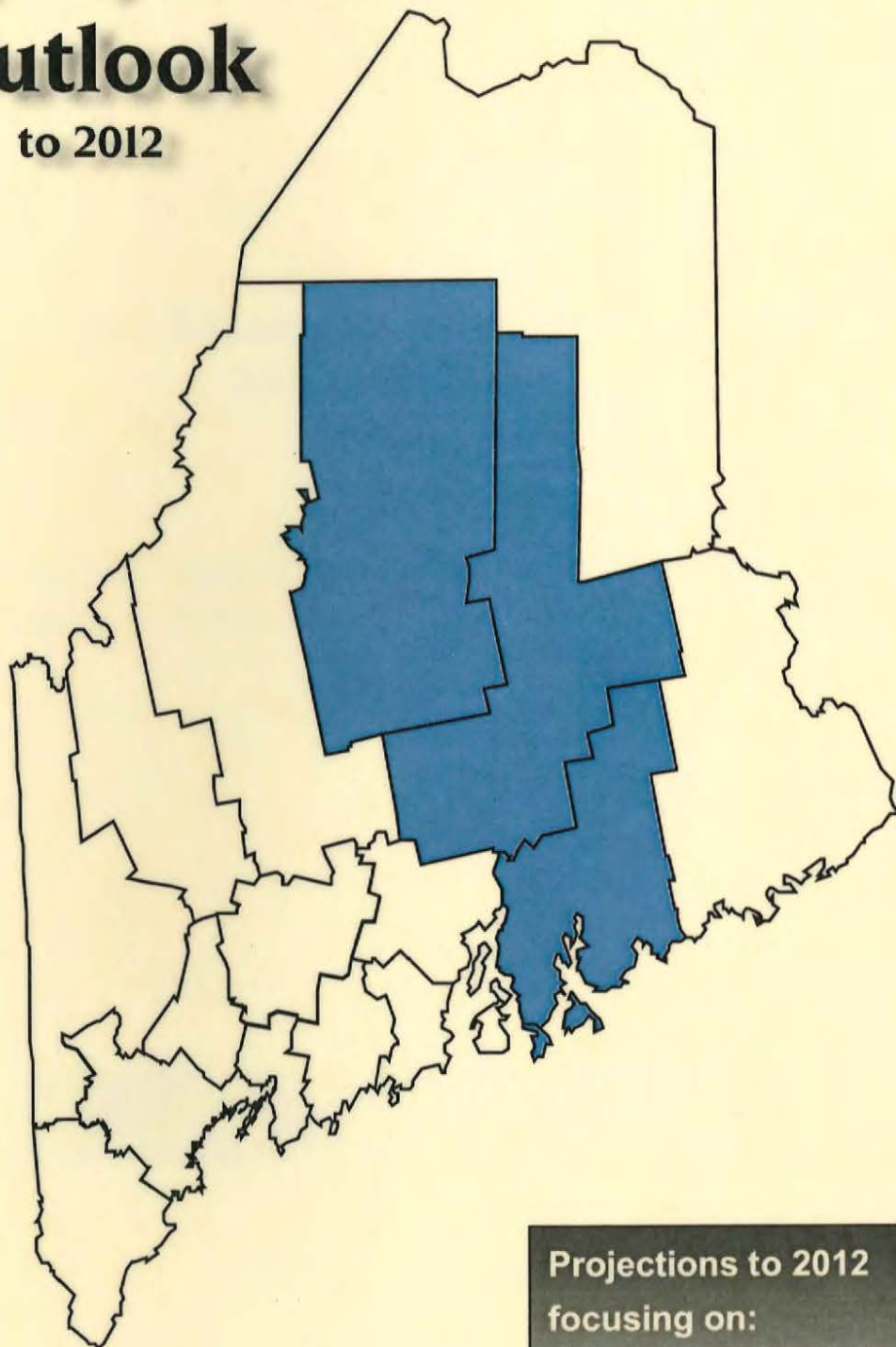
# MAINE STATE LEGISLATURE

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# Northeastern Maine Employment Outlook to 2012



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**DEPARTMENT OF**  
**LABOR**  
*Labor Market Information*

## Projections to 2012

### focusing on:

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



# **Northeastern Maine Employment Outlook**

## **2002 to 2012**

*Industrial and Occupational Employment Projections  
For Hancock, Penobscot, and Piscataquis Counties*

This publication is a product of the Economic and Demographic Research Group  
Dana Evans, State Labor Economist

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Telephone: (207) 287-2271      TTY 1-800-794-1100      FAX (207) 287-2947

## *Preface*

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

### **Projection Highlights**

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

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

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



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**Industry Employment  
2002 and Projected 2012**



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

| Industry   | Average Employment |                | Employment Change |               |
|--|--------------------|----------------|-------------------|---------------|
|  | 2002               | 2012           | Net               | Percent       |
| <b>Total Employment</b>  | <b>110,115</b>     | <b>116,255</b> | <b>6,140</b>      | <b>5.6%</b>   |
| <b>Self-Employed, Private Household, and Unpaid Family Workers</b> | <b>11,095</b>      | <b>11,248</b>  | <b>153</b>        | <b>1.4%</b>   |
| <b>Wage and Salary Jobs</b>  | <b>99,020</b>      | <b>105,007</b> | <b>5,987</b>      | <b>6.0%</b>   |
| <b>Total Private</b>   | <b>81,205</b>      | <b>86,782</b>  | <b>5,577</b>      | <b>6.9%</b>   |
| <b>Goods-Producing Industries</b>                                  | <b>15,958</b>      | <b>14,244</b>  | <b>-1,714</b>     | <b>-10.7%</b> |
| <b>Natural Resources and Mining</b>                                | <b>1,177</b>       | <b>1,191</b>   | <b>14</b>         | <b>1.2%</b>   |
| <b>Agriculture, Forestry, Fishing and Hunting</b>                  | <b>1,152</b>       | <b>1,169</b>   | <b>17</b>         | <b>1.5%</b>   |
| Crop production  | 128                | 137            | 9                 | 7.0%          |
| Animal production  | ND                 | ND             | ND                | ND            |
| Forestry and logging   | 775                | 760            | -15               | -1.9%         |
| Fishing, hunting and trapping                                      | ND                 | ND             | ND                | ND            |
| Agriculture and forestry support activities                        | 128                | 111            | -17               | -13.3%        |
| <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>4,726</b>       | <b>4,958</b>   | <b>232</b>        | <b>4.9%</b>   |
| Construction of buildings  | 1,102              | 1,047          | -55               | -5.0%         |
| Heavy and civil engineering construction                           | 552                | 731            | 179               | 32.4%         |
| Specialty trade contractors  | 3,072              | 3,180          | 108               | 3.5%          |
| <b>Manufacturing</b>   | <b>10,055</b>      | <b>8,095</b>   | <b>-1,960</b>     | <b>-19.5%</b> |
| <b>Durable Goods</b>   | <b>4,540</b>       | <b>3,917</b>   | <b>-623</b>       | <b>-13.7%</b> |
| Wood product manufacturing   | 880                | 700            | -180              | -20.5%        |
| Nonmetallic mineral product manufacturing                          | 262                | 243            | -19               | -7.3%         |
| Primary metal manufacturing  | ND                 | ND             | ND                | ND            |
| Fabricated metal product manufacturing                             | 313                | 277            | -36               | -11.5%        |
| Machinery manufacturing  | 639                | 568            | -71               | -11.1%        |
| Computer and electronic product manufacturing                      | 157                | 141            | -16               | -10.2%        |
| Electrical equipment and appliance mfg.                            | ND                 | ND             | ND                | ND            |
| Transportation equipment manufacturing                             | 1,331              | 1,134          | -197              | -14.8%        |
| Furniture and related product manufacturing                        | 368                | 300            | -68               | -18.5%        |
| Miscellaneous manufacturing  | 445                | 415            | -30               | -6.7%         |
| <b>Nondurable Goods</b>  | <b>5,515</b>       | <b>4,178</b>   | <b>-1,337</b>     | <b>-24.2%</b> |
| Food manufacturing   | 774                | 744            | -30               | -3.9%         |
| Beverage and tobacco product manufacturing                         | ND                 | ND             | ND                | ND            |
| Textile mills  | ND                 | ND             | ND                | ND            |
| Textile product mills  | ND                 | ND             | ND                | ND            |
| Apparel manufacturing  | 70                 | 71             | 1                 | 1.4%          |
| Leather and allied product manufacturing                           | 189                | 93             | -96               | -50.8%        |
| Paper manufacturing  | 3,437              | 2,442          | -995              | -28.9%        |
| Printing and related support activities                            | 230                | 212            | -18               | -7.8%         |
| Petroleum and coal products manufacturing                          | 207                | 194            | -13               | -6.3%         |
| Chemical manufacturing   | ND                 | ND             | ND                | ND            |

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

| Industry                                      | Average Employment |               | Employment Change |              |
|---|--------------------|---------------|-------------------|--------------|
|   | 2002               | 2012          | Net               | Percent      |
| Plastics and rubber products manufacturing    | ND                 | ND            | ND                | ND           |
| <b>Service-Providing Industries</b>           | <b>83,062</b>      | <b>90,763</b> | <b>7,701</b>      | <b>9.3%</b>  |
| <b>Trade, Transportation, and Utilities</b>   | <b>21,705</b>      | <b>22,871</b> | <b>1,166</b>      | <b>5.4%</b>  |
| <b>Wholesale Trade</b>                        | <b>2,685</b>       | <b>2,837</b>  | <b>152</b>        | <b>5.7%</b>  |
| Merchant wholesalers, durable goods           | 1,478              | 1,630         | 152               | 10.3%        |
| Merchant wholesalers, nondurable goods        | 1,171              | 1,164         | -7                | -0.6%        |
| Electronic markets and agents and brokers     | 36                 | 42            | 6                 | 16.7%        |
| <b>Retail Trade</b>                           | <b>15,489</b>      | <b>16,400</b> | <b>911</b>        | <b>5.9%</b>  |
| Motor vehicle and parts dealers               | 2,379              | 2,685         | 306               | 12.9%        |
| Furniture and home furnishings stores         | 353                | 386           | 33                | 9.3%         |
| Electronics and appliance stores              | 373                | 431           | 58                | 15.5%        |
| Building material and garden supply stores    | 1,333              | 1,476         | 143               | 10.7%        |
| Food and beverage stores                      | 3,496              | 3,776         | 280               | 8.0%         |
| Health and personal care stores               | 695                | 699           | 4                 | 0.6%         |
| Gasoline stations                             | 1,618              | 1,726         | 108               | 6.7%         |
| Clothing and clothing accessories stores      | 714                | 631           | -83               | -11.6%       |
| Sporting goods, hobby, book and music stores  | 603                | 613           | 10                | 1.7%         |
| General merchandise stores                    | 2,179              | 2,068         | -111              | -5.1%        |
| Miscellaneous store retailers                 | 811                | 892           | 81                | 10.0%        |
| Nonstore retailers                            | 935                | 1,017         | 82                | 8.8%         |
| <b>Transportation and Warehousing</b>         | <b>3,149</b>       | <b>3,289</b>  | <b>140</b>        | <b>4.4%</b>  |
| Air transportation                            | 290                | 276           | -14               | -4.8%        |
| Rail transportation                           | ND                 | ND            | ND                | ND           |
| Water transportation                          | 35                 | 40            | 5                 | 14.3%        |
| Truck transportation                          | 1,592              | 1,589         | -3                | -0.2%        |
| Transit and ground passenger transportation   | 466                | 557           | 91                | 19.5%        |
| Pipeline transportation                       | ND                 | ND            | ND                | ND           |
| Scenic and sightseeing transportation         | 57                 | 70            | 13                | 22.8%        |
| Support activities for transportation         | 164                | 188           | 24                | 14.6%        |
| Couriers and messengers                       | 380                | 402           | 22                | 5.8%         |
| Warehousing and storage                       | 165                | 168           | 3                 | 1.8%         |
| <b>Utilities</b>                              | <b>382</b>         | <b>346</b>    | <b>-36</b>        | <b>-9.4%</b> |
| <b>Information</b>                            | <b>2,239</b>       | <b>2,047</b>  | <b>-192</b>       | <b>-8.6%</b> |
| Publishing industries, except Internet        | 642                | 661           | 19                | 3.0%         |
| Motion picture and sound recording industries | 53                 | 71            | 18                | 34.0%        |
| Broadcasting, except Internet                 | 474                | 452           | -22               | -4.6%        |
| Internet publishing and broadcasting          | ND                 | ND            | ND                | ND           |
| Telecommunications                            | 867                | 683           | -184              | -21.2%       |
| ISPs, search portals, and data processing     | 110                | 71            | -39               | -35.5%       |
| Other Information Services                    | ND                 | ND            | ND                | ND           |
| <b>Financial Activities</b>                   | <b>3,515</b>       | <b>3,645</b>  | <b>130</b>        | <b>3.7%</b>  |

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

| Industry                                     | Average Employment |               | Employment Change |              |
|--|--------------------|---------------|-------------------|--------------|
|  | 2002               | 2012          | Net               | Percent      |
| <b>Finance and Insurance</b>                 | <b>2,556</b>       | <b>2,573</b>  | <b>17</b>         | <b>0.7%</b>  |
| Credit intermediation and related activities | 1,782              | 1,765         | -17               | -1.0%        |
| Securities, commodity contracts, investments | ND                 | ND            | ND                | ND           |
| Insurance carriers and related activities    | 629                | 624           | -5                | -0.8%        |
| Funds, trusts, and other financial vehicles  | ND                 | ND            | ND                | ND           |
| <b>Real Estate and Rental and Leasing</b>    | <b>959</b>         | <b>1,072</b>  | <b>113</b>        | <b>11.8%</b> |
| Real estate                                  | 506                | 554           | 48                | 9.5%         |
| Rental and leasing services                  | 453                | 518           | 65                | 14.3%        |
| <b>Professional and Business Services</b>    | <b>8,237</b>       | <b>9,033</b>  | <b>796</b>        | <b>9.7%</b>  |
| Professional and technical services          | 4,159              | 4,616         | 457               | 11.0%        |
| Management of companies and enterprises      | 1,047              | 989           | -58               | -5.5%        |
| Administrative and support services          | 2,838              | 3,237         | 399               | 14.1%        |
| Waste management and remediation services    | 193                | 191           | -2                | -1.0%        |
| <b>Education and Health Services</b>         | <b>16,667</b>      | <b>20,739</b> | <b>4,072</b>      | <b>24.4%</b> |
| Educational services                         | 785                | 944           | 159               | 20.3%        |
| <b>Health Care and Social Assistance</b>     | <b>15,882</b>      | <b>19,795</b> | <b>3,913</b>      | <b>24.6%</b> |
| Ambulatory health care services              | 3,895              | 4,940         | 1,045             | 26.8%        |
| Hospitals                                    | 5,357              | 6,197         | 840               | 15.7%        |
| Nursing and residential care facilities      | 3,262              | 3,984         | 722               | 22.1%        |
| Social assistance                            | 3,368              | 4,674         | 1,306             | 38.8%        |
| <b>Leisure and Hospitality</b>               | <b>9,614</b>       | <b>10,514</b> | <b>900</b>        | <b>9.4%</b>  |
| <b>Arts, Entertainment, and Recreation</b>   | <b>938</b>         | <b>1,198</b>  | <b>260</b>        | <b>27.7%</b> |
| Performing arts and spectator sports         | 111                | 121           | 10                | 9.0%         |
| Museums, historical sites, zoos, and parks   | 89                 | 82            | -7                | -7.9%        |
| Amusements, gambling, and recreation         | 738                | 994           | 256               | 34.7%        |
| <b>Accommodation and Food Services</b>       | <b>8,676</b>       | <b>9,316</b>  | <b>640</b>        | <b>7.4%</b>  |
| Accommodation                                | 2,075              | 1,778         | -297              | -14.3%       |
| Food services and drinking places            | 6,601              | 7,538         | 937               | 14.2%        |
| <b>Other Services</b>                        | <b>3,270</b>       | <b>3,690</b>  | <b>420</b>        | <b>12.8%</b> |
| Repair and maintenance                       | 967                | 1,083         | 116               | 12.0%        |
| Personal and laundry services                | 600                | 789           | 189               | 31.5%        |
| Membership associations and organizations    | 1,084              | 1,234         | 150               | 13.8%        |
| Private households                           | 619                | 584           | -35               | -5.7%        |
| <b>Government</b>                            | <b>17,815</b>      | <b>18,225</b> | <b>410</b>        | <b>2.3%</b>  |
| Federal                                      | 1,867              | 1,875         | 8                 | 0.4%         |
| State  | 5,813              | 5,841         | 28                | 0.5%         |
| Local  | 10,135             | 10,509        | 374               | 3.7%         |

ND: Not Discloseable.

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

| Industries Expected to Gain Jobs              |       | Industries Expected to Lose Jobs              |      |
|---|-------|---|------|
| Social assistance                             | 1,306 | Paper manufacturing                           | -995 |
| Ambulatory health care services               | 1,045 | Accommodation                                 | -297 |
| Food services and drinking places             | 937   | Transportation equipment manufacturing        | -197 |
| Hospitals                                     | 840   | Telecommunications                            | -184 |
| Nursing and residential care facilities       | 722   | Wood product manufacturing                    | -180 |
| Professional and technical services           | 457   | General merchandise stores                    | -111 |
| Administrative and support services           | 399   | Leather and allied product manufacturing      | -96  |
| Local Government                              | 374   | Clothing and clothing accessories stores      | -83  |
| Motor vehicle and parts dealers               | 306   | Machinery manufacturing                       | -71  |
| Food and beverage stores                      | 280   | Furniture and related product manufacturing   | -68  |
| Amusements, gambling, and recreation          | 256   | Management of companies and enterprises       | -58  |
| Personal and laundry services                 | 189   | Construction of buildings                     | -55  |
| Heavy and civil engineering construction      | 179   | ISPs, search portals, and data processing     | -39  |
| Educational services                          | 159   | Fabricated metal product manufacturing        | -36  |
| Merchant wholesalers, durable goods           | 152   | Private households                            | -35  |
| Membership associations and organizations     | 150   | Miscellaneous manufacturing                   | -30  |
| Building material and garden supply stores    | 143   | Food manufacturing                            | -30  |
| Repair and maintenance                        | 116   | Broadcasting, except Internet                 | -22  |
| Specialty trade contractors                   | 108   | Nonmetallic mineral product manufacturing     | -19  |
| Gasoline stations                             | 108   | Printing and related support activities       | -18  |
| Transit and ground passenger transportation   | 91    | Agriculture and forestry support activities   | -17  |
| Nonstore retailers                            | 82    | Credit intermediation and related activities  | -17  |
| Miscellaneous store retailers                 | 81    | Computer and electronic product manufacturing | -16  |
| Rental and leasing services                   | 65    | Forestry and logging                          | -15  |
| Electronics and appliance stores              | 58    | Air transportation                            | -14  |
| Real estate                                   | 48    | Petroleum and coal products manufacturing     | -13  |
| Furniture and home furnishings stores         | 33    | Merchant wholesalers, nondurable goods        | -7   |
| State Government                              | 28    | Museums, historical sites, zoos, and parks    | -7   |
| Support activities for transportation         | 24    | Insurance carriers and related activities     | -5   |
| Couriers and messengers                       | 22    | Truck transportation                          | -3   |
| Publishing industries, except Internet        | 19    | Waste management and remediation services     | -2   |
| Motion picture and sound recording industries | 18    |   |      |
| Scenic and sightseeing transportation         | 13    |   |      |
| Sporting goods, hobby, book and music stores  | 10    |   |      |
| Performing arts and spectator sports          | 10    |   |      |
| Crop production                               | 9     |   |      |
| Federal Government                            | 8     |   |      |
| Electronic markets and agents and brokers     | 6     |   |      |
| Water transportation                          | 5     |   |      |
| Health and personal care stores               | 4     |   |      |
| Warehousing and storage                       | 3     |   |      |
| Apparel manufacturing                         | 1     |   |      |

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

| Industries Expected to Gain Jobs              |       | Industries Expected to Lose Jobs              |        |
|---|-------|---|--------|
| Social assistance                             | 38.8% | Leather and allied product manufacturing      | -50.8% |
| Amusements, gambling, and recreation          | 34.7% | ISPs, search portals, and data processing     | -35.5% |
| Motion picture and sound recording industries | 34.0% | Paper manufacturing                           | -28.9% |
| Heavy and civil engineering construction      | 32.4% | Telecommunications                            | -21.2% |
| Personal and laundry services                 | 31.5% | Wood product manufacturing                    | -20.5% |
| Ambulatory health care services               | 26.8% | Furniture and related product manufacturing   | -18.5% |
| Scenic and sightseeing transportation         | 22.8% | Transportation equipment manufacturing        | -14.8% |
| Nursing and residential care facilities       | 22.1% | Accommodation                                 | -14.3% |
| Educational services                          | 20.3% | Agriculture and forestry support activities   | -13.3% |
| Transit and ground passenger transportation   | 19.5% | Clothing and clothing accessories stores      | -11.6% |
| Electronic markets and agents and brokers     | 16.7% | Fabricated metal product manufacturing        | -11.5% |
| Hospitals                                     | 15.7% | Machinery manufacturing                       | -11.1% |
| Electronics and appliance stores              | 15.5% | Computer and electronic product manufacturing | -10.2% |
| Support activities for transportation         | 14.6% | Museums, historical sites, zoos, and parks    | -7.9%  |
| Rental and leasing services                   | 14.3% | Printing and related support activities       | -7.8%  |
| Water transportation                          | 14.3% | Nonmetallic mineral product manufacturing     | -7.3%  |
| Food services and drinking places             | 14.2% | Miscellaneous manufacturing                   | -6.7%  |
| Administrative and support services           | 14.1% | Petroleum and coal products manufacturing     | -6.3%  |
| Membership associations and organizations     | 13.8% | Private households                            | -5.7%  |
| Motor vehicle and parts dealers               | 12.9% | Management of companies and enterprises       | -5.5%  |
| Repair and maintenance                        | 12.0% | General merchandise stores                    | -5.1%  |
| Professional and technical services           | 11.0% | Construction of buildings                     | -5.0%  |
| Building material and garden supply stores    | 10.7% | Air transportation                            | -4.8%  |
| Merchant wholesalers, durable goods           | 10.3% | Broadcasting, except Internet                 | -4.6%  |
| Miscellaneous store retailers                 | 10.0% | Food manufacturing                            | -3.9%  |
| Real estate                                   | 9.5%  | Forestry and logging                          | -1.9%  |
| Furniture and home furnishings stores         | 9.3%  | Waste management and remediation services     | -1.0%  |
| Performing arts and spectator sports          | 9.0%  | Credit intermediation and related activities  | -1.0%  |
| Nonstore retailers                            | 8.8%  | Insurance carriers and related activities     | -0.8%  |
| Food and beverage stores                      | 8.0%  | Merchant wholesalers, nondurable goods        | -0.6%  |
| Crop production                               | 7.0%  | Truck transportation                          | -0.2%  |
| Gasoline stations                             | 6.7%  |   |        |
| Couriers and messengers                       | 5.8%  |   |        |
| Local Government                              | 3.7%  |   |        |
| Specialty trade contractors                   | 3.5%  |   |        |
| Publishing industries, except Internet        | 3.0%  |   |        |
| Warehousing and storage                       | 1.8%  |   |        |
| Sporting goods, hobby, book and music stores  | 1.7%  |   |        |
| Apparel manufacturing                         | 1.4%  |   |        |
| Health and personal care stores               | 0.6%  |   |        |
| State Government                              | 0.5%  |   |        |
| Federal Government                            | 0.4%  |   |        |





**Occupational Employment  
2002 and Projected 2012**



# Employment by Occupational Group in Northeastern 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>   | <i>110,115</i>     | <i>116,255</i> | <i>6,140</i>         | <i>5.6%</i> | <i>929</i>              | <i>2,633</i> | <i>3,562</i> |
| Management, Business and Financial Occupations             | 9,193              | 10,028         | 835                  | -9.1%       | 89                      | 169          | 258          |
| Management Occupations                                     | 6,550              | 7,095          | 545                  | 8.3%        | 59                      | 120          | 179          |
| Business and Financial Operations Occupations              | 2,643              | 2,933          | 290                  | 11.0%       | 30                      | 49           | 79           |
| Professional and Related Occupations                       | 22,194             | 25,212         | 3,018                | -13.6%      | 332                     | 436          | 768          |
| Computer and Mathematical Occupations                      | 1,106              | 1,191          | 85                   | 7.7%        | 11                      | 14           | 25           |
| Architecture and Engineering Occupations                   | 1,212              | 1,133          | -79                  | -6.5%       | 3                       | 28           | 31           |
| Life, Physical, and Social Science Occupations             | 1,057              | 1,272          | 215                  | 20.3%       | 22                      | 23           | 45           |
| Community and Social Services Occupations                  | 2,567              | 3,284          | 717                  | 27.9%       | 73                      | 49           | 122          |
| Legal Occupations  | 586                | 598            | 12                   | 2.0%        | 2                       | 7            | 9            |
| Education, Training, and Library Occupations               | 7,835              | 8,480          | 645                  | 8.2%        | 75                      | 168          | 243          |
| Arts, Design, Entertainment, Sports, and Media Occupations | 1,534              | 1,668          | 134                  | 8.7%        | 16                      | 30           | 46           |
| Healthcare Practitioners and Technical Occupations         | 6,297              | 7,586          | 1,289                | 20.5%       | 130                     | 117          | 247          |
| Service Occupations  | 23,380             | 26,510         | 3,130                | -13.4%      | 318                     | 658          | 976          |
| Healthcare Support Occupations                             | 3,644              | 4,525          | 881                  | 24.2%       | 88                      | 55           | 143          |
| Protective Service Occupations                             | 1,855              | 2,090          | 235                  | 12.7%       | 24                      | 54           | 78           |
| Food Preparation and Serving Related Occupations           | 9,360              | 10,100         | 740                  | 7.9%        | 78                      | 368          | 446          |
| Building and Grounds Cleaning and Maintenance Occupations  | 4,866              | 5,241          | 375                  | 7.7%        | 38                      | 98           | 136          |
| Personal Care and Service Occupations                      | 3,655              | 4,554          | 899                  | 24.6%       | 90                      | 83           | 173          |
| Sales and Related Occupations                              | 11,340             | 11,946         | 606                  | 5.3%        | 68                      | 382          | 450          |
| Office and Administrative Support Occupations              | 15,432             | 14,804         | -628                 | -4.1%       | 36                      | 359          | 395          |
| Farming, Fishing, and Forestry Occupations                 | 1,415              | 1,424          | 9                    | 0.6%        | 5                       | 32           | 37           |
| Construction and Extraction Occupations                    | 6,046              | 5,867          | -179                 | -3.0%       | 3                       | 116          | 119          |
| Installation, Maintenance, and Repair Occupations          | 5,640              | 5,883          | 243                  | 4.3%        | 40                      | 131          | 171          |
| Production Occupations                                     | 7,304              | 6,278          | -1,026               | -14.0%      | 4                       | 173          | 177          |
| Transportation and Material Moving Occupations             | 8,171              | 8,303          | 132                  | 1.6%        | 36                      | 177          | 213          |

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

### Employment by Education/Training Requirement in Northeastern 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>                            | <i>110,115</i>     | <i>116,255</i> | <i>100.0%</i>               | <i>100.0%</i> | <i>6,140</i>         | <i>5.6%</i> | <i>929</i>              | <i>2,633</i> | <i>3,562</i> |
| First Professional degree               | 1,768              | 1,966          | 1.6%                        | 1.7%          | 198                  | 11.2%       | 21                      | 29           | 50           |
| Doctoral degree                         | 1,056              | 1,308          | 1.0%                        | 1.1%          | 252                  | 23.9%       | 26                      | 23           | 49           |
| Master's degree                         | 2,265              | 2,704          | 2.1%                        | 2.3%          | 439                  | 19.4%       | 45                      | 47           | 92           |
| Bachelor's degree plus work experience  | 4,962              | 5,433          | 4.5%                        | 4.7%          | 471                  | 9.5%        | 49                      | 94           | 143          |
| Bachelor's degree                       | 10,733             | 11,691         | 9.7%                        | 10.1%         | 958                  | 8.9%        | 116                     | 215          | 331          |
| Associate degree                        | 4,447              | 5,339          | 4.0%                        | 4.6%          | 892                  | 20.1%       | 92                      | 86           | 178          |
| Postsecondary vocational award          | 4,844              | 5,248          | 4.4%                        | 4.5%          | 404                  | 8.3%        | 50                      | 103          | 153          |
| Work experience in a related occupation | 8,080              | 8,505          | 7.3%                        | 7.3%          | 425                  | 5.3%        | 54                      | 169          | 223          |
| Long-term on-the-job training           | 8,490              | 8,527          | 7.7%                        | 7.3%          | 37                   | 0.4%        | 41                      | 180          | 221          |
| Moderate-term on-the-job training       | 22,350             | 22,044         | 20.3%                       | 19.0%         | -306                 | -1.4%       | 100                     | 461          | 561          |
| Short-term on-the-job training          | 41,120             | 43,490         | 37.3%                       | 37.4%         | 2,370                | 5.8%        | 335                     | 1,233        | 1,568        |

*Details may not add to totals due to rounding*

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

| SOC Code | Occupation  | Average Employment |       | Average Annual Openings |             |       | Education/Training Requirement          |
|----------|---|--------------------|-------|-------------------------|-------------|-------|---|
|          |   | 2002               | 2012  | Growth                  | Replacement | Total |   |
| 41-2011  | Cashiers  | 3,262              | 3,514 | 25                      | 159         | 184   | Short-term on-the-job training          |
| 41-2031  | Retail Salespersons   | 3,198              | 3,211 | 1                       | 116         | 117   | Short-term on-the-job training          |
| 35-3031  | Waiters and Waitresses  | 1,832              | 2,004 | 17                      | 94          | 111   | Short-term on-the-job training          |
| 35-3021  | Combined Food Preparation and Serving Workers, Including Fast Food              | 1,803              | 2,076 | 27                      | 78          | 105   | Short-term on-the-job training          |
| 29-1111  | Registered Nurses   | 2,389              | 2,899 | 51                      | 50          | 101   | Associate degree                        |
| 39-9021  | Personal and Home Care Aides  | 1,014              | 1,551 | 54                      | 16          | 70    | Short-term on-the-job training          |
| 35-2021  | Food Preparation Workers  | 1,087              | 1,227 | 14                      | 39          | 53    | Short-term on-the-job training          |
| 11-1021  | General and Operations Managers   | 1,876              | 2,048 | 17                      | 35          | 52    | Bachelor's degree plus work experience  |
| 37-2011  | Janitors and Cleaners, Except Maids and Housekeeping Cleaners                   | 1,872              | 2,001 | 13                      | 36          | 49    | Short-term on-the-job training          |
| 53-3032  | Truck Drivers, Heavy and Tractor-Trailer  | 2,385              | 2,480 | 10                      | 39          | 49    | Moderate-term on-the-job training       |
| 41-1011  | First-Line Supervisors/Managers of Retail Sales Workers                         | 1,705              | 1,865 | 16                      | 31          | 47    | Work experience in a related occupation |
| 37-2012  | Maids and Housekeeping Cleaners   | 1,696              | 1,791 | 10                      | 36          | 46    | Short-term on-the-job training          |
| 53-7062  | Laborers and Freight, Stock, and Material Movers, Hand                          | 1,376              | 1,232 | 0                       | 45          | 45    | Short-term on-the-job training          |
| 39-9011  | Child Care Workers  | 1,179              | 1,288 | 11                      | 32          | 43    | Short-term on-the-job training          |
| 43-9061  | Office Clerks, General  | 1,897              | 1,850 | 0                       | 42          | 42    | Short-term on-the-job training          |
| 31-1011  | Home Health Aides   | 825                | 1,121 | 30                      | 11          | 41    | Short-term on-the-job training          |
| 43-5081  | Stock Clerks and Order Fillers  | 1,083              | 946   | 0                       | 40          | 40    | Short-term on-the-job training          |
| 49-3023  | Automotive Service Technicians and Mechanics                                    | 997                | 1,110 | 11                      | 27          | 38    | Postsecondary vocational award          |
| 21-1093  | Social and Human Service Assistants   | 519                | 809   | 29                      | 9           | 38    | Moderate-term on-the-job training       |
| 31-1012  | Nursing Aides, Orderlies, and Attendants  | 1,517              | 1,686 | 17                      | 20          | 37    | Short-term on-the-job training          |
| 25-9041  | Teacher Assistants  | 1,372              | 1,430 | 6                       | 27          | 33    | Short-term on-the-job training          |
| 37-3011  | Landscaping and Groundskeeping Workers  | 852                | 980   | 13                      | 19          | 32    | Short-term on-the-job training          |
| 43-6014  | Secretaries, Except Legal, Medical, and Executive                               | 1,578              | 1,411 | 0                       | 30          | 30    | Moderate-term on-the-job training       |
| 43-3031  | Bookkeeping, Accounting, and Auditing Clerks                                    | 1,547              | 1,487 | 0                       | 29          | 29    | Moderate-term on-the-job training       |
| 25-2031  | Secondary School Teachers, Except Special and Vocational Education              | 1,003              | 994   | 0                       | 28          | 28    | Bachelor's degree                       |
| 35-2014  | Cooks, Restaurant   | 697                | 748   | 5                       | 22          | 27    | Long-term on-the-job training           |
| 43-4171  | Receptionists and Information Clerks  | 616                | 722   | 11                      | 15          | 26    | Short-term on-the-job training          |
| 47-2031  | Carpenters  | 1,563              | 1,540 | 0                       | 25          | 25    | Long-term on-the-job training           |
| 35-3022  | Counter Attendants, Cafeteria, Food Concession, and Coffee Shop                 | 321                | 357   | 4                       | 21          | 25    | Short-term on-the-job training          |
| 41-4012  | Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products | 706                | 754   | 5                       | 19          | 24    | Moderate-term on-the-job training       |
| 25-2021  | Elementary School Teachers, Except Special Education                            | 1,042              | 1,005 | 0                       | 23          | 23    | Bachelor's degree                       |
| 49-9042  | Maintenance and Repair Workers, General   | 967                | 1,004 | 4                       | 19          | 23    | Moderate-term on-the-job training       |
| 43-3071  | Tellers   | 430                | 447   | 2                       | 21          | 23    | Short-term on-the-job training          |
| 35-9021  | Dishwashers   | 602                | 597   | 0                       | 20          | 20    | Short-term on-the-job training          |
| 43-1011  | First-Line Supervisors/Managers of Office and Administrative Support Workers    | 913                | 895   | 0                       | 20          | 20    | Work experience in a related occupation |
| 31-9092  | Medical Assistants  | 271                | 420   | 15                      | 5           | 20    | Moderate-term on-the-job training       |
| 43-4051  | Customer Service Representatives  | 993                | 1,036 | 4                       | 15          | 19    | Moderate-term on-the-job training       |
| 35-3011  | Bartenders  | 456                | 449   | 0                       | 18          | 18    | Short-term on-the-job training          |
| 53-3022  | Bus Drivers, School   | 566                | 627   | 6                       | 12          | 18    | Short-term on-the-job training          |
| 43-6011  | Executive Secretaries and Administrative Assistants                             | 908                | 915   | 1                       | 17          | 18    | Moderate-term on-the-job training       |
| 35-1012  | First-Line Supervisors/Managers of Food Preparation and Serving Workers         | 571                | 609   | 4                       | 14          | 18    | Work experience in a related occupation |

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

| SOC Code | Occupation  | Average Employment |       | Net Growth | Education/Training Requirement          |
|----------|---|--------------------|-------|------------|---|
|          |   | 2002               | 2012  |            |   |
| 39-9021  | Personal and Home Care Aides  | 1,014              | 1,551 | 537        | Short-term on-the-job training          |
| 29-1111  | Registered Nurses   | 2,389              | 2,899 | 510        | Associate degree                        |
| 31-1011  | Home Health Aides   | 825                | 1,121 | 296        | Short-term on-the-job training          |
| 21-1093  | Social and Human Service Assistants   | 519                | 809   | 290        | Moderate-term on-the-job training       |
| 35-3021  | Combined Food Preparation and Serving Workers, Including Fast Food              | 1,803              | 2,076 | 273        | Short-term on-the-job training          |
| 41-2011  | Cashiers  | 3,262              | 3,514 | 252        | Short-term on-the-job training          |
| 11-1021  | General and Operations Managers   | 1,876              | 2,048 | 172        | Bachelor's degree plus work experience  |
| 35-3031  | Waiters and Waitresses  | 1,832              | 2,004 | 172        | Short-term on-the-job training          |
| 31-1012  | Nursing Aides, Orderlies, and Attendants  | 1,517              | 1,686 | 169        | Short-term on-the-job training          |
| 41-1011  | First-Line Supervisors/Managers of Retail Sales Workers                         | 1,705              | 1,865 | 160        | Work experience in a related occupation |
| 31-9092  | Medical Assistants  | 271                | 420   | 149        | Moderate-term on-the-job training       |
| 35-2021  | Food Preparation Workers  | 1,087              | 1,227 | 140        | Short-term on-the-job training          |
| 37-2011  | Janitors and Cleaners, Except Maids and Housekeeping Cleaners                   | 1,872              | 2,001 | 129        | Short-term on-the-job training          |
| 37-3011  | Landscaping and Groundskeeping Workers  | 852                | 980   | 128        | Short-term on-the-job training          |
| 49-3023  | Automotive Service Technicians and Mechanics                                    | 997                | 1,110 | 113        | Postsecondary vocational award          |
| 39-9011  | Child Care Workers  | 1,179              | 1,288 | 109        | Short-term on-the-job training          |
| 43-4171  | Receptionists and Information Clerks  | 616                | 722   | 106        | Short-term on-the-job training          |
| 37-2012  | Maids and Housekeeping Cleaners   | 1,696              | 1,791 | 95         | Short-term on-the-job training          |
| 21-1023  | Mental Health and Substance Abuse Social Workers                                | 251                | 346   | 95         | Master's degree                         |
| 53-3032  | Truck Drivers, Heavy and Tractor-Trailer  | 2,385              | 2,480 | 95         | Moderate-term on-the-job training       |
| 19-4021  | Biological Technicians  | 218                | 308   | 90         | Associate degree                        |
| 31-9096  | Veterinary Assistants and Laboratory Animal Caretakers                          | 243                | 327   | 84         | Short-term on-the-job training          |
| 21-1021  | Child, Family, and School Social Workers  | 353                | 434   | 81         | Bachelor's degree                       |
| 53-3033  | Truck Drivers, Light or Delivery Services                                       | 856                | 937   | 81         | Short-term on-the-job training          |
| 33-3051  | Police and Sheriff's Patrol Officers  | 315                | 394   | 79         | Long-term on-the-job training           |
| 25-3021  | Self-Enrichment Education Teachers  | 136                | 211   | 75         | Work experience in a related occupation |
| 11-9111  | Medical and Health Services Managers  | 264                | 335   | 71         | Bachelor's degree plus work experience  |
| 33-2011  | Fire Fighters   | 283                | 352   | 69         | Long-term on-the-job training           |
| 29-2071  | Medical Records and Health Information Technicians                              | 156                | 225   | 69         | Associate degree                        |
| 25-1191  | Graduate Teaching Assistants  | 305                | 369   | 64         | Bachelor's degree                       |
| 49-9021  | Heating, Air Conditioning, and Refrigeration Mechanics and Installers           | 418                | 482   | 64         | Long-term on-the-job training           |
| 11-9151  | Social and Community Service Managers   | 207                | 271   | 64         | Bachelor's degree                       |
| 53-3022  | Bus Drivers, School   | 566                | 627   | 61         | Short-term on-the-job training          |
| 21-1015  | Rehabilitation Counselors   | 195                | 254   | 59         | Master's degree                         |
| 25-9041  | Teacher Assistants  | 1,372              | 1,430 | 58         | Short-term on-the-job training          |
| 29-1071  | Physician Assistants  | 114                | 168   | 54         | Bachelor's degree                       |
| 35-2014  | Cooks, Restaurant   | 697                | 748   | 51         | Long-term on-the-job training           |
| 29-2011  | Medical and Clinical Laboratory Technologists                                   | 189                | 237   | 48         | Bachelor's degree                       |
| 29-1123  | Physical Therapists   | 173                | 221   | 48         | Master's degree                         |
| 41-4012  | Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products | 706                | 754   | 48         | Moderate-term on-the-job training       |

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

| SOC Code | Occupation  | Average Employment |       | Growth Rate | Education/Training Requirement          |
|----------|---|--------------------|-------|-------------|---|
|          |   | 2002               | 2012  |             |   |
| 21-1093  | Social and Human Service Assistants                         | 519                | 809   | 55.9%       | Moderate-term on-the-job training       |
| 25-3021  | Self-Enrichment Education Teachers                          | 136                | 211   | 55.1%       | Work experience in a related occupation |
| 31-9092  | Medical Assistants  | 271                | 420   | 55.0%       | Moderate-term on-the-job training       |
| 39-9021  | Personal and Home Care Aides                                | 1,014              | 1,551 | 53.0%       | Short-term on-the-job training          |
| 29-1071  | Physician Assistants  | 114                | 168   | 47.4%       | Bachelor's degree                       |
| 31-2021  | Physical Therapist Assistants                               | 51                 | 74    | 45.1%       | Associate degree                        |
| 31-9011  | Massage Therapists  | 61                 | 88    | 44.3%       | Postsecondary vocational award          |
| 29-2071  | Medical Records and Health Information Technicians          | 156                | 225   | 44.2%       | Associate degree                        |
| 45-2093  | Farmworkers, Farm and Ranch Animals                         | 56                 | 80    | 42.9%       | Short-term on-the-job training          |
| 19-4021  | Biological Technicians                                      | 218                | 308   | 41.3%       | Associate degree                        |
| 21-1023  | Mental Health and Substance Abuse Social Workers            | 251                | 346   | 37.8%       | Master's degree                         |
| 31-1011  | Home Health Aides   | 825                | 1,121 | 35.9%       | Short-term on-the-job training          |
| 13-2052  | Personal Financial Advisors                                 | 60                 | 81    | 35.0%       | Bachelor's degree                       |
| 31-9096  | Veterinary Assistants and Laboratory Animal Caretakers      | 243                | 327   | 34.6%       | Short-term on-the-job training          |
| 29-1126  | Respiratory Therapists                                      | 81                 | 108   | 33.3%       | Associate degree                        |
| 21-1022  | Medical and Public Health Social Workers                    | 116                | 153   | 31.9%       | Bachelor's degree                       |
| 11-9151  | Social and Community Service Managers                       | 207                | 271   | 30.9%       | Bachelor's degree                       |
| 21-1015  | Rehabilitation Counselors                                   | 195                | 254   | 30.3%       | Master's degree                         |
| 25-1126  | Philosophy and Religion Teachers, Postsecondary             | 50                 | 65    | 30.0%       | Doctoral degree                         |
| 39-3091  | Amusement and Recreation Attendants                         | 115                | 148   | 28.7%       | Short-term on-the-job training          |
| 39-1021  | First-Line Supervisors/Managers of Personal Service Workers | 117                | 150   | 28.2%       | Work experience in a related occupation |
| 29-1123  | Physical Therapists   | 173                | 221   | 27.7%       | Master's degree                         |
| 27-3031  | Public Relations Specialists                                | 76                 | 97    | 27.6%       | Bachelor's degree                       |
| 25-1121  | Art, Drama, and Music Teachers, Postsecondary               | 69                 | 88    | 27.5%       | Master's degree                         |
| 11-9111  | Medical and Health Services Managers                        | 264                | 335   | 26.9%       | Bachelor's degree plus work experience  |
| 53-2021  | Air Traffic Controllers                                     | 56                 | 71    | 26.8%       | Long-term on-the-job training           |
| 39-9031  | Fitness Trainers and Aerobics Instructors                   | 173                | 219   | 26.6%       | Postsecondary vocational award          |
| 21-1014  | Mental Health Counselors                                    | 140                | 177   | 26.4%       | Master's degree                         |
| 25-9031  | Instructional Coordinators                                  | 61                 | 77    | 26.2%       | Master's degree                         |
| 11-2031  | Public Relations Managers                                   | 59                 | 74    | 25.4%       | Bachelor's degree plus work experience  |
| 29-2011  | Medical and Clinical Laboratory Technologists               | 189                | 237   | 25.4%       | Bachelor's degree                       |
| 33-3051  | Police and Sheriff's Patrol Officers                        | 315                | 394   | 25.1%       | Long-term on-the-job training           |
| 19-3031  | Clinical, Counseling, and School Psychologists              | 156                | 195   | 25.0%       | Doctoral degree                         |
| 25-1081  | Education Teachers, Postsecondary                           | 117                | 146   | 24.8%       | Doctoral degree                         |
| 29-2021  | Dental Hygienists   | 166                | 207   | 24.7%       | Associate degree                        |
| 29-2055  | Surgical Technologists                                      | 69                 | 86    | 24.6%       | Postsecondary vocational award          |
| 43-4111  | Interviewers, Except Eligibility and Loan                   | 110                | 137   | 24.5%       | Short-term on-the-job training          |
| 33-2011  | Fire Fighters   | 283                | 352   | 24.4%       | Long-term on-the-job training           |
| 29-1122  | Occupational Therapists                                     | 91                 | 113   | 24.2%       | Bachelor's degree                       |
| 31-9091  | Dental Assistants   | 163                | 202   | 23.9%       | Moderate-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 Northeastern Maine Between 2002 and 2012**

| SOC Code | Occupation   | Average Employment |       | Net Decline | Education/Training Requirement          |
|----------|--|--------------------|-------|-------------|---|
|          |  | 2002               | 2012  |             |   |
| 43-6014  | Secretaries, Except Legal, Medical, and Executive                                  | 1,578              | 1,411 | -167        | Moderate-term on-the-job training       |
| 53-7062  | Laborers and Freight, Stock, and Material Movers, Hand                             | 1,376              | 1,232 | -144        | Short-term on-the-job training          |
| 43-5081  | Stock Clerks and Order Fillers   | 1,083              | 946   | -137        | Short-term on-the-job training          |
| 43-9022  | Word Processors and Typists  | 171                | 81    | -90         | Moderate-term on-the-job training       |
| 51-9196  | Paper Goods Machine Setters, Operators, and Tenders                                | 268                | 200   | -68         | Moderate-term on-the-job training       |
| 43-5053  | Postal Service Mail Sorters, Processors, and Processing Machine Operators          | 300                | 234   | -66         | Short-term on-the-job training          |
| 51-2092  | Team Assemblers  | 479                | 417   | -62         | Moderate-term on-the-job training       |
| 43-3031  | Bookkeeping, Accounting, and Auditing Clerks                                       | 1,547              | 1,487 | -60         | Moderate-term on-the-job training       |
| 51-1011  | First-Line Supervisors/Managers of Production and Operating Workers                | 532                | 474   | -58         | Work experience in a related occupation |
| 49-9044  | Millwrights  | 210                | 157   | -53         | Long-term on-the-job training           |
| 25-2022  | Middle School Teachers, Except Special and Vocational Education                    | 592                | 541   | -51         | Bachelor's degree                       |
| 43-9061  | Office Clerks, General   | 1,897              | 1,850 | -47         | Short-term on-the-job training          |
| 51-7042  | Woodworking Machine Setters, Operators, and Tenders, Except Sawing                 | 179                | 132   | -47         | Moderate-term on-the-job training       |
| 43-5071  | Shipping, Receiving, and Traffic Clerks  | 422                | 378   | -44         | Short-term on-the-job training          |
| 51-9121  | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders            | 176                | 133   | -43         | Moderate-term on-the-job training       |
| 47-2152  | Plumbers, Pipefitters, and Steamfitters  | 405                | 363   | -42         | Long-term on-the-job training           |
| 41-9041  | Telemarketers  | 276                | 234   | -42         | Short-term on-the-job training          |
| 25-2021  | Elementary School Teachers, Except Special Education                               | 1,042              | 1,005 | -37         | Bachelor's degree                       |
| 51-9198  | Helpers--Production Workers  | 219                | 182   | -37         | Short-term on-the-job training          |
| 43-9021  | Data Entry Keyers  | 147                | 111   | -36         | Moderate-term on-the-job training       |
| 43-4151  | Order Clerks   | 142                | 106   | -36         | Short-term on-the-job training          |
| 43-5052  | Postal Service Mail Carriers   | 269                | 234   | -35         | Short-term on-the-job training          |
| 51-9032  | Cutting and Slicing Machine Setters, Operators, and Tenders                        | 153                | 119   | -34         | Moderate-term on-the-job training       |
| 43-9011  | Computer Operators   | 99                 | 66    | -33         | Moderate-term on-the-job training       |
| 51-7041  | Sawing Machine Setters, Operators, and Tenders, Wood                               | 135                | 105   | -30         | Moderate-term on-the-job training       |
| 47-2141  | Painters, Construction and Maintenance   | 378                | 350   | -28         | Moderate-term on-the-job training       |
| 35-2012  | Cooks, Institution and Cafeteria   | 402                | 375   | -27         | Moderate-term on-the-job training       |
| 49-2094  | Electrical and Electronics Repairers, Commercial and Industrial Equipment          | 115                | 88    | -27         | Postsecondary vocational award          |
| 53-7051  | Industrial Truck and Tractor Operators   | 414                | 387   | -27         | Short-term on-the-job training          |
| 51-9023  | Mixing and Blending Machine Setters, Operators, and Tenders                        | 92                 | 65    | -27         | Moderate-term on-the-job training       |
| 51-7011  | Cabinetmakers and Bench Carpenters   | 153                | 128   | -25         | Long-term on-the-job training           |
| 17-3013  | Mechanical Drafters  | 101                | 76    | -25         | Postsecondary vocational award          |
| 51-6063  | Textile Knitting and Weaving Machine Setters, Operators, and Tenders               | 65                 | 41    | -24         | Long-term on-the-job training           |
| 47-2031  | Carpenters   | 1,563              | 1,540 | -23         | Long-term on-the-job training           |
| 43-4131  | Loan Interviewers and Clerks   | 91                 | 68    | -23         | Short-term on-the-job training          |
| 51-4041  | Machinists   | 243                | 220   | -23         | Long-term on-the-job training           |
| 15-1021  | Computer Programmers   | 133                | 111   | -22         | Bachelor's degree                       |
| 47-2111  | Electricians   | 603                | 581   | -22         | Long-term on-the-job training           |
| 51-6064  | Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders | 58                 | 37    | -21         | Moderate-term on-the-job training       |
| 27-3010  | Announcers   | 116                | 96    | -20         | Long-term on-the-job training           |
| 51-9011  | Chemical Equipment Operators and Tenders   | 77                 | 57    | -20         | Moderate-term on-the-job training       |
| 51-9061  | Inspectors, Testers, Sorters, Samplers, and Weighers                               | 247                | 227   | -20         | Moderate-term on-the-job training       |

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

| SOC Code | Occupation  | Average Employment |      | Rate of Decline | Education/Training Requirement          |
|----------|---|--------------------|------|-----------------|---|
|          |   | 2002               | 2012 |                 |   |
| 43-9022  | Word Processors and Typists   | 171                | 81   | -52.6%          | Moderate-term on-the-job training       |
| 51-6063  | Textile Knitting and Weaving Machine Setters, Operators, and Tenders                          | 65                 | 41   | -36.9%          | Long-term on-the-job training           |
| 51-6064  | Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders            | 58                 | 37   | -36.2%          | Moderate-term on-the-job training       |
| 43-9011  | Computer Operators  | 99                 | 66   | -33.3%          | Moderate-term on-the-job training       |
| 51-9021  | Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders                     | 54                 | 38   | -29.6%          | Moderate-term on-the-job training       |
| 51-9023  | Mixing and Blending Machine Setters, Operators, and Tenders                                   | 92                 | 65   | -29.3%          | Moderate-term on-the-job training       |
| 51-7042  | Woodworking Machine Setters, Operators, and Tenders, Except Sawing                            | 179                | 132  | -26.3%          | Moderate-term on-the-job training       |
| 51-9011  | Chemical Equipment Operators and Tenders  | 77                 | 57   | -26.0%          | Moderate-term on-the-job training       |
| 51-9196  | Paper Goods Machine Setters, Operators, and Tenders   | 268                | 200  | -25.4%          | Moderate-term on-the-job training       |
| 43-4151  | Order Clerks  | 142                | 106  | -25.4%          | Short-term on-the-job training          |
| 43-4131  | Loan Interviewers and Clerks  | 91                 | 68   | -25.3%          | Short-term on-the-job training          |
| 49-9044  | Millwrights   | 210                | 157  | -25.2%          | Long-term on-the-job training           |
| 51-2041  | Structural Metal Fabricators and Fitters  | 64                 | 48   | -25.0%          | Moderate-term on-the-job training       |
| 17-3013  | Mechanical Drafters   | 101                | 76   | -24.8%          | Postsecondary vocational award          |
| 43-9021  | Data Entry Keyers   | 147                | 111  | -24.5%          | Moderate-term on-the-job training       |
| 51-9121  | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders                       | 176                | 133  | -24.4%          | Moderate-term on-the-job training       |
| 43-4061  | Eligibility Interviewers, Government Programs   | 67                 | 51   | -23.9%          | Moderate-term on-the-job training       |
| 49-2094  | Electrical and Electronics Repairers, Commercial and Industrial Equipment                     | 115                | 88   | -23.5%          | Postsecondary vocational award          |
| 51-9041  | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders          | 75                 | 58   | -22.7%          | Moderate-term on-the-job training       |
| 51-2091  | Fiberglass Laminators and Fabricators   | 62                 | 48   | -22.6%          | Moderate-term on-the-job training       |
| 51-7041  | Sawing Machine Setters, Operators, and Tenders, Wood  | 135                | 105  | -22.2%          | Moderate-term on-the-job training       |
| 51-9032  | Cutting and Slicing Machine Setters, Operators, and Tenders                                   | 153                | 119  | -22.2%          | Moderate-term on-the-job training       |
| 51-9012  | Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders | 59                 | 46   | -22.0%          | Moderate-term on-the-job training       |
| 43-5053  | Postal Service Mail Sorters, Processors, and Processing Machine Operators                     | 300                | 234  | -22.0%          | Short-term on-the-job training          |
| 53-7011  | Conveyor Operators and Tenders  | 54                 | 43   | -20.4%          | Short-term on-the-job training          |
| 51-8021  | Stationary Engineers and Boiler Operators   | 97                 | 78   | -19.6%          | Long-term on-the-job training           |
| 27-3010  | Announcers  | 116                | 96   | -17.2%          | Long-term on-the-job training           |
| 49-2092  | Electric Motor, Power Tool, and Related Repairers   | 53                 | 44   | -17.0%          | Postsecondary vocational award          |
| 51-9198  | Helpers--Production Workers   | 219                | 182  | -16.9%          | Short-term on-the-job training          |
| 49-9043  | Maintenance Workers, Machinery  | 101                | 84   | -16.8%          | Short-term on-the-job training          |
| 15-1021  | Computer Programmers  | 133                | 111  | -16.5%          | Bachelor's degree                       |
| 51-7011  | Cabinetmakers and Bench Carpenters  | 153                | 128  | -16.3%          | Long-term on-the-job training           |
| 51-4034  | Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic             | 62                 | 52   | -16.1%          | Moderate-term on-the-job training       |
| 43-5041  | Meter Readers, Utilities  | 50                 | 42   | -16.0%          | Short-term on-the-job training          |
| 53-7063  | Machine Feeders and Offbearers  | 108                | 91   | -15.7%          | Short-term on-the-job training          |
| 41-9041  | Telemarketers   | 276                | 234  | -15.2%          | Short-term on-the-job training          |
| 43-9051  | Mail Clerks and Mail Machine Operators, Except Postal Service                                 | 61                 | 52   | -14.8%          | Short-term on-the-job training          |
| 51-4031  | Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic       | 65                 | 56   | -13.8%          | Moderate-term on-the-job training       |
| 11-3051  | Industrial Production Managers  | 123                | 106  | -13.8%          | Bachelor's degree                       |
| 11-9131  | Postmasters and Mail Superintendents  | 91                 | 79   | -13.2%          | Work experience in a related occupation |

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

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

| SOC Code       | Occupation  | Average Employment |                | Change in Employment |             | Average Annual Openings |              |              | Education/Training Requirement          |
|----------------|---|--------------------|----------------|----------------------|-------------|-------------------------|--------------|--------------|---|
|                |   | 2002               | 2012           | Net                  | Percent     | Growth                  | Replacement  | Total        |   |
|                | <b>Total, All Occupations</b>                                     | <b>110,115</b>     | <b>116,255</b> | <b>6,140</b>         | <b>5.6%</b> | <b>929</b>              | <b>2,633</b> | <b>3,562</b> | <b>NA</b>                               |
| <b>11-0000</b> | <b>Management Occupations</b>                                     | <b>6,550</b>       | <b>7,095</b>   | <b>545</b>           | <b>8.3%</b> | <b>59</b>               | <b>120</b>   | <b>179</b>   | <b>NA</b>                               |
| 11-1011        | Chief Executives  | 360                | 391            | 31                   | 8.6%        | 3                       | 7            | 10           | Bachelor's degree plus work experience  |
| 11-1021        | General and Operations Managers                                   | 1,876              | 2,048          | 172                  | 9.2%        | 17                      | 35           | 52           | Bachelor's degree plus work experience  |
| 11-1031        | Legislators   | 61                 | 63             | 2                    | 3.3%        | 0                       | 1            | 1            | Bachelor's degree plus work experience  |
| 11-2011        | Advertising and Promotions Managers                               | 74                 | 84             | 10                   | 13.5%       | 1                       | 1            | 2            | Bachelor's degree plus work experience  |
| 11-2021        | Marketing Managers  | 103                | 121            | 18                   | 17.5%       | 2                       | 2            | 4            | Bachelor's degree plus work experience  |
| 11-2022        | Sales Managers  | 164                | 189            | 25                   | 15.2%       | 3                       | 3            | 6            | Bachelor's degree plus work experience  |
| 11-2031        | Public Relations Managers   | 59                 | 74             | 15                   | 25.4%       | 2                       | 1            | 3            | Bachelor's degree plus work experience  |
| 11-3011        | Administrative Services Managers                                  | 167                | 172            | 5                    | 3.0%        | 1                       | 3            | 4            | Bachelor's degree plus work experience  |
| 11-3021        | Computer and Information Systems Managers                         | 176                | 196            | 20                   | 11.4%       | 2                       | 3            | 5            | Bachelor's degree plus work experience  |
| 11-3031        | Financial Managers  | 388                | 426            | 38                   | 9.8%        | 4                       | 6            | 10           | Bachelor's degree plus work experience  |
| 11-3040        | Human Resources Managers  | 151                | 157            | 6                    | 4.0%        | 1                       | 3            | 4            | Bachelor's degree plus work experience  |
| 11-3051        | Industrial Production Managers                                    | 123                | 106            | -17                  | -13.8%      | 0                       | 2            | 2            | Bachelor's degree                       |
| 11-3061        | Purchasing Managers   | 82                 | 83             | 1                    | 1.2%        | 0                       | 2            | 2            | Bachelor's degree plus work experience  |
| 11-3071        | Transportation, Storage, and Distribution Managers                | 89                 | 93             | 4                    | 4.5%        | 0                       | 2            | 2            | Work experience in a related occupation |
| 11-9011        | Farm, Ranch, and Other Agricultural Managers                      | 55                 | 68             | 13                   | 23.6%       | 1                       | 1            | 2            | Bachelor's degree plus work experience  |
| 11-9012        | Farmers and Ranchers  | 238                | 229            | -9                   | -3.8%       | 0                       | 1            | 1            | Long-term on-the-job training           |
| 11-9021        | Construction Managers   | 254                | 255            | 1                    | 0.4%        | 0                       | 5            | 5            | Bachelor's degree                       |
| 11-9031        | Education Administrators, Preschool and Child Care Center/Program | 26                 | 29             | 3                    | 11.5%       | 0                       | 1            | 1            | Bachelor's degree plus work experience  |
| 11-9032        | Education Administrators, Elementary and Secondary School         | 216                | 223            | 7                    | 3.2%        | 1                       | 5            | 6            | Bachelor's degree plus work experience  |
| 11-9033        | Education Administrators, Postsecondary                           | 167                | 189            | 22                   | 13.2%       | 2                       | 4            | 6            | Bachelor's degree plus work experience  |
| 11-9039        | Education Administrators, All Other                               | 26                 | 29             | 3                    | 11.5%       | 0                       | 1            | 1            | Bachelor's degree plus work experience  |
| 11-9041        | Engineering Managers  | 88                 | 83             | -5                   | -5.7%       | 0                       | 2            | 2            | Bachelor's degree plus work experience  |
| 11-9051        | Food Service Managers   | 333                | 356            | 23                   | 6.9%        | 2                       | 5            | 7            | Work experience in a related occupation |
| 11-9061        | Funeral Directors   | 34                 | 37             | 3                    | 8.8%        | 0                       | 1            | 1            | Associate degree                        |
| 11-9081        | Lodging Managers  | 120                | 119            | -1                   | -0.8%       | 0                       | 2            | 2            | Work experience in a related occupation |
| 11-9111        | Medical and Health Services Managers                              | 264                | 335            | 71                   | 26.9%       | 7                       | 5            | 12           | Bachelor's degree plus work experience  |
| 11-9121        | Natural Sciences Managers   | 52                 | 55             | 3                    | 5.8%        | 0                       | 1            | 1            | Bachelor's degree plus work experience  |
| 11-9131        | Postmasters and Mail Superintendents                              | 91                 | 79             | -12                  | -13.2%      | 0                       | 2            | 2            | Work experience in a related occupation |
| 11-9141        | Property, Real Estate, and Community Association Managers         | 94                 | 101            | 7                    | 7.4%        | 1                       | 2            | 3            | Bachelor's degree                       |

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

| SOC Code       | Occupation  | Average Employment |              | Change in Employment |              | Average Annual Openings |             |           | Education/Training Requirement          |
|----------------|---|--------------------|--------------|----------------------|--------------|-------------------------|-------------|-----------|---|
|                |   | 2002               | 2012         | Net                  | Percent      | Growth                  | Replacement | Total     |   |
| 11-9151        | Social and Community Service Managers   | 207                | 271          | 64                   | 30.9%        | 6                       | 4           | 10        | Bachelor's degree                       |
| 11-9199        | Managers, All Other   | 412                | 434          | 22                   | 5.3%         | 2                       | 8           | 10        | Work experience in a related occupation |
| <b>13-0000</b> | <b>Business and Financial Operations Occupations</b>                                    | <b>2,643</b>       | <b>2,933</b> | <b>290</b>           | <b>11.0%</b> | <b>30</b>               | <b>49</b>   | <b>79</b> | <b>NA</b>                               |
| 13-1022        | Wholesale and Retail Buyers, Except Farm Products                                       | 185                | 183          | -2                   | -1.1%        | 0                       | 5           | 5         | Work experience in a related occupation |
| 13-1023        | Purchasing Agents, Except Wholesale, Retail, and Farm Products                          | 116                | 119          | 3                    | 2.6%         | 0                       | 3           | 3         | Work experience in a related occupation |
| 13-1041        | Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation | 101                | 109          | 8                    | 7.9%         | 1                       | 2           | 3         | Long-term on-the-job training           |
| 13-1051        | Cost Estimators   | 90                 | 96           | 6                    | 6.7%         | 1                       | 2           | 3         | Work experience in a related occupation |
| 13-1071        | Employment, Recruitment, and Placement Specialists                                      | 77                 | 76           | -1                   | -1.3%        | 0                       | 1           | 1         | Bachelor's degree                       |
| 13-1072        | Compensation, Benefits, and Job Analysis Specialists                                    | 56                 | 57           | 1                    | 1.8%         | 0                       | 1           | 1         | Bachelor's degree                       |
| 13-1073        | Training and Development Specialists  | 164                | 195          | 31                   | 18.9%        | 3                       | 3           | 6         | Bachelor's degree                       |
| 13-1111        | Management Analysts   | 157                | 169          | 12                   | 7.6%         | 1                       | 2           | 3         | Bachelor's degree plus work experience  |
| 13-1121        | Meeting and Convention Planners   | 47                 | 57           | 10                   | 21.3%        | 1                       | 1           | 2         | Bachelor's degree                       |
| 13-1199        | Business Operations Specialists, All Other  | 507                | 629          | 122                  | 24.1%        | 12                      | 9           | 21        | Bachelor's degree                       |
| 13-2011        | Accountants and Auditors  | 478                | 522          | 44                   | 9.2%         | 4                       | 9           | 13        | Bachelor's degree                       |
| 13-2021        | Appraisers and Assessors of Real Estate   | 61                 | 65           | 4                    | 6.6%         | 0                       | 1           | 1         | Postsecondary vocational award          |
| 13-2031        | Budget Analysts   | 34                 | 36           | 2                    | 5.9%         | 0                       | 1           | 1         | Bachelor's degree                       |
| 13-2051        | Financial Analysts  | 39                 | 44           | 5                    | 12.8%        | 1                       | 1           | 2         | Bachelor's degree                       |
| 13-2052        | Personal Financial Advisors   | 60                 | 81           | 21                   | 35.0%        | 2                       | 1           | 3         | Bachelor's degree                       |
| 13-2053        | Insurance Underwriters  | 23                 | 21           | -2                   | -8.7%        | 0                       | 0           | 0         | Bachelor's degree                       |
| 13-2072        | Loan Officers   | 155                | 163          | 8                    | 5.2%         | 1                       | 3           | 4         | Bachelor's degree                       |
| 13-2081        | Tax Examiners, Collectors, and Revenue Agents   | 52                 | 53           | 1                    | 1.9%         | 0                       | 1           | 1         | Bachelor's degree                       |
| 13-2082        | Tax Preparers   | 38                 | 40           | 2                    | 5.3%         | 0                       | 1           | 1         | Moderate-term on-the-job training       |
| 13-2099        | Financial Specialists, All Other  | 72                 | 77           | 5                    | 6.9%         | 1                       | 1           | 2         | Bachelor's degree                       |
| <b>15-0000</b> | <b>Computer and Mathematical Occupations</b>  | <b>1,106</b>       | <b>1,191</b> | <b>85</b>            | <b>7.7%</b>  | <b>11</b>               | <b>14</b>   | <b>25</b> | <b>NA</b>                               |
| 15-1011        | Computer and Information Scientists, Research   | 10                 | 14           | 4                    | 40.0%        | 0                       | 0           | 0         | Doctoral degree                         |
| 15-1021        | Computer Programmers  | 133                | 111          | -22                  | -16.5%       | 0                       | 3           | 3         | Bachelor's degree                       |
| 15-1031        | Computer Software Engineers, Applications   | 204                | 231          | 27                   | 13.2%        | 3                       | 2           | 5         | Bachelor's degree                       |
| 15-1032        | Computer Software Engineers, Systems Software   | 41                 | 49           | 8                    | 19.5%        | 1                       | 0           | 1         | Bachelor's degree                       |
| 15-1041        | Computer Support Specialists  | 282                | 289          | 7                    | 2.5%         | 1                       | 4           | 5         | Associate degree                        |
| 15-1051        | Computer Systems Analysts   | 174                | 190          | 16                   | 9.2%         | 2                       | 2           | 4         | Bachelor's degree                       |
| 15-1061        | Database Administrators   | 35                 | 43           | 8                    | 22.9%        | 1                       | 0           | 1         | Bachelor's degree                       |

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

| SOC Code       | Occupation   | Average Employment |              | Change in Employment |              | Average Annual Openings |             |           | Education/Training Requirement    |
|----------------|--|--------------------|--------------|----------------------|--------------|-------------------------|-------------|-----------|-----------------------------------|
|                |  | 2002               | 2012         | Net                  | Percent      | Growth                  | Replacement | Total     |                                   |
| 15-1071        | Network and Computer Systems Administrators                                | 116                | 129          | 13                   | 11.2%        | 1                       | 1           | 2         | Bachelor's degree                 |
| 15-1081        | Network Systems and Data Communications Analysts                           | 48                 | 67           | 19                   | 39.6%        | 2                       | 1           | 3         | Bachelor's degree                 |
| 15-1099        | Computer Specialists, All Other  | 40                 | 47           | 7                    | 17.5%        | 1                       | 1           | 2         | Associate degree                  |
| 15-2031        | Operations Research Analysts   | 13                 | 11           | -2                   | -15.4%       | 0                       | 0           | 0         | Master's degree                   |
| <b>17-0000</b> | <b>Architecture and Engineering Occupations</b>                            | <b>1,212</b>       | <b>1,133</b> | <b>-79</b>           | <b>-6.5%</b> | <b>3</b>                | <b>28</b>   | <b>31</b> | <b>NA</b>                         |
| 17-1011        | Architects, Except Landscape and Naval                                     | 75                 | 81           | 6                    | 8.0%         | 1                       | 1           | 2         | Bachelor's degree                 |
| 17-1012        | Landscape Architects   | 15                 | 16           | 1                    | 6.7%         | 0                       | 0           | 0         | Bachelor's degree                 |
| 17-1021        | Cartographers and Photogrammetrists  | 15                 | 15           | 0                    | 0.0%         | 0                       | 1           | 1         | Bachelor's degree                 |
| 17-1022        | Surveyors  | 37                 | 36           | -1                   | -2.7%        | 0                       | 1           | 1         | Bachelor's degree                 |
| 17-2041        | Chemical Engineers   | 33                 | 27           | -6                   | -18.2%       | 0                       | 1           | 1         | Bachelor's degree                 |
| 17-2051        | Civil Engineers  | 171                | 160          | -11                  | -6.4%        | 0                       | 3           | 3         | Bachelor's degree                 |
| 17-2071        | Electrical Engineers   | 45                 | 39           | -6                   | -13.3%       | 0                       | 1           | 1         | Bachelor's degree                 |
| 17-2072        | Electronics Engineers, Except Computer                                     | 29                 | 28           | -1                   | -3.4%        | 0                       | 1           | 1         | Bachelor's degree                 |
| 17-2081        | Environmental Engineers  | 28                 | 35           | 7                    | 25.0%        | 1                       | 1           | 2         | Bachelor's degree                 |
| 17-2111        | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors | 18                 | 18           | 0                    | 0.0%         | 0                       | 0           | 0         | Bachelor's degree                 |
| 17-2112        | Industrial Engineers   | 106                | 99           | -7                   | -6.6%        | 0                       | 3           | 3         | Bachelor's degree                 |
| 17-2141        | Mechanical Engineers   | 86                 | 77           | -9                   | -10.5%       | 0                       | 2           | 2         | Bachelor's degree                 |
| 17-2199        | Engineers, All Other   | 61                 | 52           | -9                   | -14.8%       | 0                       | 1           | 1         | Bachelor's degree                 |
| 17-3011        | Architectural and Civil Drafters   | 88                 | 81           | -7                   | -8.0%        | 0                       | 3           | 3         | Postsecondary vocational award    |
| 17-3013        | Mechanical Drafters  | 101                | 76           | -25                  | -24.8%       | 0                       | 3           | 3         | Postsecondary vocational award    |
| 17-3022        | Civil Engineering Technicians  | 60                 | 53           | -7                   | -11.7%       | 0                       | 1           | 1         | Associate degree                  |
| 17-3023        | Electrical and Electronic Engineering Technicians                          | 55                 | 54           | -1                   | -1.8%        | 0                       | 1           | 1         | Associate degree                  |
| 17-3026        | Industrial Engineering Technicians   | 35                 | 27           | -8                   | -22.9%       | 0                       | 1           | 1         | Associate degree                  |
| 17-3031        | Surveying and Mapping Technicians  | 58                 | 66           | 8                    | 13.8%        | 1                       | 2           | 3         | Moderate-term on-the-job training |
| 17-3099        | Drafters, Engineering, and Mapping Technicians, All Other                  | 53                 | 50           | -3                   | -5.7%        | 0                       | 1           | 1         | Associate degree                  |
| <b>19-0000</b> | <b>Life, Physical, and Social Science Occupations</b>                      | <b>1,057</b>       | <b>1,272</b> | <b>215</b>           | <b>20.3%</b> | <b>22</b>               | <b>23</b>   | <b>45</b> | <b>NA</b>                         |
| 19-1010        | Agricultural and Food Scientists   | 47                 | 52           | 5                    | 10.6%        | 1                       | 1           | 2         | Bachelor's degree                 |
| 19-1022        | Microbiologists  | 14                 | 17           | 3                    | 21.4%        | 0                       | 0           | 0         | Doctoral degree                   |
| 19-1023        | Zoologists and Wildlife Biologists   | 33                 | 35           | 2                    | 6.1%         | 0                       | 1           | 1         | Bachelor's degree                 |
| 19-1031        | Conservation Scientists  | 50                 | 51           | 1                    | 2.0%         | 0                       | 2           | 2         | Bachelor's degree                 |
| 19-1032        | Foresters  | 48                 | 48           | 0                    | 0.0%         | 0                       | 1           | 1         | Bachelor's degree                 |

**Employment and Job Openings for All Occupations in Northeastern 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      |                                   |
| 19-1042        | Medical Scientists, Except Epidemiologists                         | 17                 | 22           | 5                    | 29.4%        | 1                       | 0           | 1          | Doctoral degree                   |
| 19-1099        | Life Scientists, All Other   | 104                | 149          | 45                   | 43.3%        | 5                       | 2           | 7          | Bachelor's degree                 |
| 19-2031        | Chemists   | 20                 | 17           | -3                   | -15.0%       | 0                       | 1           | 1          | Bachelor's degree                 |
| 19-2041        | Environmental Scientists and Specialists, Including Health         | 69                 | 72           | 3                    | 4.3%         | 0                       | 1           | 1          | Master's degree                   |
| 19-2099        | Physical Scientists, All Other                                     | 12                 | 13           | 1                    | 8.3%         | 0                       | 0           | 0          | Bachelor's degree                 |
| 19-3011        | Economists   | 10                 | 10           | 0                    | 0.0%         | 0                       | 0           | 0          | Master's degree                   |
| 19-3021        | Market Research Analysts   | 26                 | 27           | 1                    | 3.8%         | 0                       | 1           | 1          | Master's degree                   |
| 19-3031        | Clinical, Counseling, and School Psychologists                     | 156                | 195          | 39                   | 25.0%        | 4                       | 3           | 7          | Doctoral degree                   |
| 19-3051        | Urban and Regional Planners  | 12                 | 13           | 1                    | 8.3%         | 0                       | 0           | 0          | Master's degree                   |
| 19-3099        | Social Scientists and Related Workers, All Other                   | 32                 | 32           | 0                    | 0.0%         | 0                       | 1           | 1          | Master's degree                   |
| 19-4011        | Agricultural and Food Science Technicians                          | 14                 | 14           | 0                    | 0.0%         | 0                       | 0           | 0          | Associate degree                  |
| 19-4021        | Biological Technicians   | 218                | 308          | 90                   | 41.3%        | 9                       | 4           | 13         | Associate degree                  |
| 19-4031        | Chemical Technicians   | 24                 | 26           | 2                    | 8.3%         | 0                       | 1           | 1          | Associate degree                  |
| 19-4091        | Environmental Science and Protection Technicians, Including Health | 34                 | 41           | 7                    | 20.6%        | 1                       | 1           | 2          | Associate degree                  |
| 19-4093        | Forest and Conservation Technicians                                | 15                 | 17           | 2                    | 13.3%        | 0                       | 0           | 0          | Associate degree                  |
| 19-4099        | Life, Physical, and Social Science Technicians, All Other          | 41                 | 44           | 3                    | 7.3%         | 0                       | 1           | 1          | Associate degree                  |
| <b>21-0000</b> | <b>Community and Social Services Occupations</b>                   | <b>2,567</b>       | <b>3,284</b> | <b>717</b>           | <b>27.9%</b> | <b>73</b>               | <b>49</b>   | <b>122</b> | <b>NA</b>                         |
| 21-1011        | Substance Abuse and Behavioral Disorder Counselors                 | 75                 | 87           | 12                   | 16.0%        | 1                       | 2           | 3          | Master's degree                   |
| 21-1012        | Educational, Vocational, and School Counselors                     | 216                | 207          | -9                   | -4.2%        | 0                       | 5           | 5          | Master's degree                   |
| 21-1014        | Mental Health Counselors   | 140                | 177          | 37                   | 26.4%        | 4                       | 3           | 7          | Master's degree                   |
| 21-1015        | Rehabilitation Counselors  | 195                | 254          | 59                   | 30.3%        | 6                       | 5           | 11         | Master's degree                   |
| 21-1021        | Child, Family, and School Social Workers                           | 353                | 434          | 81                   | 22.9%        | 8                       | 6           | 14         | Bachelor's degree                 |
| 21-1022        | Medical and Public Health Social Workers                           | 116                | 153          | 37                   | 31.9%        | 4                       | 2           | 6          | Bachelor's degree                 |
| 21-1023        | Mental Health and Substance Abuse Social Workers                   | 251                | 346          | 95                   | 37.8%        | 10                      | 4           | 14         | Master's degree                   |
| 21-1091        | Health Educators   | 72                 | 86           | 14                   | 19.4%        | 1                       | 1           | 2          | Master's degree                   |
| 21-1092        | Probation Officers and Correctional Treatment Specialists          | 49                 | 47           | -2                   | -4.1%        | 0                       | 1           | 1          | Bachelor's degree                 |
| 21-1093        | Social and Human Service Assistants                                | 519                | 809          | 290                  | 55.9%        | 29                      | 9           | 38         | Moderate-term on-the-job training |
| 21-2011        | Clergy   | 376                | 411          | 35                   | 9.3%         | 4                       | 8           | 12         | First Professional degree         |
| 21-2021        | Directors, Religious Activities and Education                      | 40                 | 47           | 7                    | 17.5%        | 1                       | 0           | 1          | Bachelor's degree                 |
| 21-9099        | Counselors, Social, and Religious Workers, All Other               | 156                | 214          | 58                   | 37.2%        | 6                       | 3           | 9          | Bachelor's degree                 |
| <b>23-0000</b> | <b>Legal Occupations</b>   | <b>586</b>         | <b>598</b>   | <b>12</b>            | <b>2.0%</b>  | <b>2</b>                | <b>7</b>    | <b>9</b>   | <b>NA</b>                         |

**Employment and Job Openings for All Occupations in Northeastern 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      |  |
| 23-1011        | Lawyers  | 380                | 386          | 6                    | 1.6%        | 1                       | 5           | 6          | First Professional degree              |
| 23-1021        | Administrative Law Judges, Adjudicators, and Hearing Officers          | 12                 | 8            | -4                   | -33.3%      | 0                       | 0           | 0          | Bachelor's degree plus work experience |
| 23-2011        | Paralegals and Legal Assistants  | 125                | 133          | 8                    | 6.4%        | 1                       | 1           | 2          | Associate degree                       |
| 23-2091        | Court Reporters  | 10                 | 11           | 1                    | 10.0%       | 0                       | 0           | 0          | Postsecondary vocational award         |
| 23-2093        | Title Examiners, Abstractors, and Searchers                            | 19                 | 16           | -3                   | -15.8%      | 0                       | 0           | 0          | Moderate-term on-the-job training      |
| 23-9099        | Legal and Related Workers, All Other                                   | 22                 | 30           | 8                    | 36.4%       | 1                       | 0           | 1          | Bachelor's degree                      |
| <b>25-0000</b> | <b>Education, Training, and Library Occupations</b>                    | <b>7,835</b>       | <b>8,480</b> | <b>645</b>           | <b>8.2%</b> | <b>75</b>               | <b>168</b>  | <b>243</b> | <b>NA</b>                              |
| 25-1011        | Business Teachers, Postsecondary                                       | 99                 | 121          | 22                   | 22.2%       | 2                       | 2           | 4          | Master's degree                        |
| 25-1021        | Computer Science Teachers, Postsecondary                               | 40                 | 46           | 6                    | 15.0%       | 1                       | 1           | 2          | Master's degree                        |
| 25-1022        | Mathematical Science Teachers, Postsecondary                           | 69                 | 83           | 14                   | 20.3%       | 1                       | 2           | 3          | Master's degree                        |
| 25-1032        | Engineering Teachers, Postsecondary                                    | 45                 | 55           | 10                   | 22.2%       | 1                       | 1           | 2          | Doctoral degree                        |
| 25-1042        | Biological Science Teachers, Postsecondary                             | 66                 | 81           | 15                   | 22.7%       | 2                       | 2           | 4          | Doctoral degree                        |
| 25-1043        | Forestry and Conservation Science Teachers, Postsecondary              | 13                 | 16           | 3                    | 23.1%       | 0                       | 0           | 0          | Doctoral degree                        |
| 25-1051        | Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | 41                 | 51           | 10                   | 24.4%       | 1                       | 1           | 2          | Doctoral degree                        |
| 25-1052        | Chemistry Teachers, Postsecondary                                      | 27                 | 34           | 7                    | 25.9%       | 1                       | 1           | 2          | Doctoral degree                        |
| 25-1054        | Physics Teachers, Postsecondary  | 24                 | 30           | 6                    | 25.0%       | 1                       | 1           | 2          | Doctoral degree                        |
| 25-1061        | Anthropology and Archeology Teachers, Postsecondary                    | 10                 | 12           | 2                    | 20.0%       | 0                       | 0           | 0          | Doctoral degree                        |
| 25-1062        | Area, Ethnic, and Cultural Studies Teachers, Postsecondary             | 15                 | 18           | 3                    | 20.0%       | 0                       | 0           | 0          | Doctoral degree                        |
| 25-1063        | Economics Teachers, Postsecondary                                      | 20                 | 25           | 5                    | 25.0%       | 1                       | 1           | 2          | Doctoral degree                        |
| 25-1065        | Political Science Teachers, Postsecondary                              | 30                 | 37           | 7                    | 23.3%       | 1                       | 1           | 2          | Doctoral degree                        |
| 25-1066        | Psychology Teachers, Postsecondary                                     | 38                 | 48           | 10                   | 26.3%       | 1                       | 1           | 2          | Doctoral degree                        |
| 25-1067        | Sociology Teachers, Postsecondary                                      | 20                 | 25           | 5                    | 25.0%       | 1                       | 1           | 2          | Doctoral degree                        |
| 25-1071        | Health Specialties Teachers, Postsecondary                             | 131                | 161          | 30                   | 22.9%       | 3                       | 3           | 6          | Master's degree                        |
| 25-1072        | Nursing Instructors and Teachers, Postsecondary                        | 48                 | 56           | 8                    | 16.7%       | 1                       | 1           | 2          | Doctoral degree                        |
| 25-1081        | Education Teachers, Postsecondary                                      | 117                | 146          | 29                   | 24.8%       | 3                       | 3           | 6          | Doctoral degree                        |
| 25-1111        | Criminal Justice and Law Enforcement Teachers, Postsecondary           | 10                 | 13           | 3                    | 30.0%       | 0                       | 0           | 0          | Doctoral degree                        |
| 25-1112        | Law Teachers, Postsecondary  | 13                 | 16           | 3                    | 23.1%       | 0                       | 0           | 0          | First Professional degree              |
| 25-1121        | Art, Drama, and Music Teachers, Postsecondary                          | 69                 | 88           | 19                   | 27.5%       | 2                       | 2           | 4          | Master's degree                        |
| 25-1122        | Communications Teachers, Postsecondary                                 | 18                 | 22           | 4                    | 22.2%       | 0                       | 0           | 0          | Doctoral degree                        |
| 25-1123        | English Language and Literature Teachers, Postsecondary                | 105                | 129          | 24                   | 22.9%       | 2                       | 2           | 4          | Master's degree                        |
| 25-1124        | Foreign Language and Literature Teachers, Postsecondary                | 28                 | 35           | 7                    | 25.0%       | 1                       | 1           | 2          | Master's degree                        |

**Employment and Job Openings for All Occupations in Northeastern 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     |   |
| 25-1125        | History Teachers, Postsecondary  | 31                 | 39           | 8                    | 25.8%       | 1                       | 1           | 2         | Doctoral degree                         |
| 25-1126        | Philosophy and Religion Teachers, Postsecondary                            | 50                 | 65           | 15                   | 30.0%       | 2                       | 1           | 3         | Doctoral degree                         |
| 25-1191        | Graduate Teaching Assistants   | 305                | 369          | 64                   | 21.0%       | 6                       | 7           | 13        | Bachelor's degree                       |
| 25-1193        | Recreation and Fitness Studies Teachers, Postsecondary                     | 35                 | 43           | 8                    | 22.9%       | 1                       | 1           | 2         | Master's degree                         |
| 25-1194        | Vocational Education Teachers, Postsecondary                               | 52                 | 59           | 7                    | 13.5%       | 1                       | 1           | 2         | Work experience in a related occupation |
| 25-1199        | Postsecondary Teachers, All Other  | 181                | 219          | 38                   | 21.0%       | 4                       | 4           | 8         | Doctoral degree                         |
| 25-2011        | Preschool Teachers, Except Special Education                               | 283                | 313          | 30                   | 10.6%       | 3                       | 3           | 6         | Postsecondary vocational award          |
| 25-2012        | Kindergarten Teachers, Except Special Education                            | 191                | 205          | 14                   | 7.3%        | 1                       | 2           | 3         | Bachelor's degree                       |
| 25-2021        | Elementary School Teachers, Except Special Education                       | 1,042              | 1,005        | -37                  | -3.6%       | 0                       | 23          | 23        | Bachelor's degree                       |
| 25-2022        | Middle School Teachers, Except Special and Vocational Education            | 592                | 541          | -51                  | -8.6%       | 0                       | 13          | 13        | Bachelor's degree                       |
| 25-2023        | Vocational Education Teachers, Middle School                               | 13                 | 12           | -1                   | -7.7%       | 0                       | 0           | 0         | Bachelor's degree plus work experience  |
| 25-2031        | Secondary School Teachers, Except Special and Vocational Education         | 1,003              | 994          | -9                   | -0.9%       | 0                       | 28          | 28        | Bachelor's degree                       |
| 25-2032        | Vocational Education Teachers, Secondary School                            | 44                 | 40           | -4                   | -9.1%       | 0                       | 1           | 1         | Bachelor's degree plus work experience  |
| 25-2041        | Special Education Teachers, Preschool, Kindergarten, and Elementary School | 226                | 248          | 22                   | 9.7%        | 2                       | 5           | 7         | Bachelor's degree                       |
| 25-2042        | Special Education Teachers, Middle School                                  | 90                 | 99           | 9                    | 10.0%       | 1                       | 2           | 3         | Bachelor's degree                       |
| 25-2043        | Special Education Teachers, Secondary School                               | 113                | 124          | 11                   | 9.7%        | 1                       | 3           | 4         | Bachelor's degree                       |
| 25-3011        | Adult Literacy, Remedial Education, and GED Teachers and Instructors       | 31                 | 35           | 4                    | 12.9%       | 0                       | 0           | 0         | Bachelor's degree                       |
| 25-3021        | Self-Enrichment Education Teachers   | 136                | 211          | 75                   | 55.1%       | 8                       | 2           | 10        | Work experience in a related occupation |
| 25-3999        | Teachers, Primary, Secondary, and Adult, All Other                         | 463                | 552          | 89                   | 19.2%       | 9                       | 6           | 15        | Bachelor's degree                       |
| 25-4010        | Archivists, Curators, and Museum Technicians                               | 42                 | 49           | 7                    | 16.7%       | 1                       | 1           | 2         | Master's degree                         |
| 25-4021        | Librarians   | 130                | 128          | -2                   | -1.5%       | 0                       | 3           | 3         | Master's degree                         |
| 25-4031        | Library Technicians  | 150                | 159          | 9                    | 6.0%        | 1                       | 6           | 7         | Short-term on-the-job training          |
| 25-9021        | Farm and Home Management Advisors  | 28                 | 27           | -1                   | -3.6%       | 0                       | 0           | 0         | Bachelor's degree                       |
| 25-9031        | Instructional Coordinators   | 61                 | 77           | 16                   | 26.2%       | 2                       | 1           | 3         | Master's degree                         |
| 25-9041        | Teacher Assistants   | 1,372              | 1,430        | 58                   | 4.2%        | 6                       | 27          | 33        | Short-term on-the-job training          |
| 25-9199        | Library, Museum, Training, and Other Education Workers, All Other          | 15                 | 17           | 2                    | 13.3%       | 0                       | 0           | 0         | Bachelor's degree                       |
| <b>27-0000</b> | <b>Arts, Design, Entertainment, Sports, and Media Occupations</b>          | <b>1,534</b>       | <b>1,668</b> | <b>134</b>           | <b>8.7%</b> | <b>16</b>               | <b>30</b>   | <b>46</b> | <b>NA</b>                               |
| 27-1013        | Fine Artists, Including Painters, Sculptors, and Illustrators              | 83                 | 87           | 4                    | 4.8%        | 0                       | 2           | 2         | Long-term on-the-job training           |
| 27-1014        | Multi-Media Artists and Animators  | 27                 | 27           | 0                    | 0.0%        | 0                       | 1           | 1         | Bachelor's degree                       |
| 27-1021        | Commercial and Industrial Designers  | 16                 | 16           | 0                    | 0.0%        | 0                       | 0           | 0         | Bachelor's degree                       |
| 27-1023        | Floral Designers   | 54                 | 60           | 6                    | 11.1%       | 1                       | 1           | 2         | Moderate-term on-the-job training       |



**Employment and Job Openings for All Occupations in Northeastern 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      |  |
| 27-1024        | Graphic Designers  | 64                 | 71           | 7                    | 10.9%        | 1                       | 1           | 2          | Bachelor's degree                      |
| 27-1025        | Interior Designers   | 33                 | 36           | 3                    | 9.1%         | 0                       | 0           | 0          | Bachelor's degree                      |
| 27-1026        | Merchandise Displayers and Window Trimmers                         | 45                 | 60           | 15                   | 33.3%        | 2                       | 1           | 3          | Moderate-term on-the-job training      |
| 27-1099        | Art and Design Workers, All Other                                  | 35                 | 38           | 3                    | 8.6%         | 0                       | 1           | 1          | Bachelor's degree                      |
| 27-2011        | Actors   | 14                 | 14           | 0                    | 0.0%         | 0                       | 0           | 0          | Long-term on-the-job training          |
| 27-2012        | Producers and Directors  | 45                 | 46           | 1                    | 2.2%         | 0                       | 1           | 1          | Bachelor's degree plus work experience |
| 27-2021        | Athletes and Sports Competitors                                    | 19                 | 22           | 3                    | 15.8%        | 0                       | 0           | 0          | Long-term on-the-job training          |
| 27-2022        | Coaches and Scouts   | 188                | 207          | 19                   | 10.1%        | 2                       | 4           | 6          | Long-term on-the-job training          |
| 27-2023        | Umpires, Referees, and Other Sports Officials                      | 11                 | 16           | 5                    | 45.5%        | 1                       | 0           | 1          | Long-term on-the-job training          |
| 27-2041        | Music Directors and Composers                                      | 36                 | 41           | 5                    | 13.9%        | 1                       | 1           | 2          | Bachelor's degree plus work experience |
| 27-2042        | Musicians and Singers  | 99                 | 116          | 17                   | 17.2%        | 2                       | 2           | 4          | Long-term on-the-job training          |
| 27-2099        | Entertainers and Performers, Sports and Related Workers, All Other | 10                 | 11           | 1                    | 10.0%        | 0                       | 0           | 0          | Long-term on-the-job training          |
| 27-3010        | Announcers   | 116                | 96           | -20                  | -17.2%       | 0                       | 3           | 3          | Long-term on-the-job training          |
| 27-3020        | News Analysts, Reporters and Correspondents                        | 84                 | 88           | 4                    | 4.8%         | 0                       | 2           | 2          | Bachelor's degree plus work experience |
| 27-3031        | Public Relations Specialists                                       | 76                 | 97           | 21                   | 27.6%        | 2                       | 1           | 3          | Bachelor's degree                      |
| 27-3041        | Editors  | 106                | 114          | 8                    | 7.5%         | 1                       | 3           | 4          | Bachelor's degree                      |
| 27-3042        | Technical Writers  | 20                 | 25           | 5                    | 25.0%        | 1                       | 1           | 2          | Bachelor's degree                      |
| 27-3043        | Writers and Authors  | 86                 | 91           | 5                    | 5.8%         | 1                       | 2           | 3          | Bachelor's degree                      |
| 27-3091        | Interpreters and Translators                                       | 38                 | 49           | 11                   | 28.9%        | 1                       | 1           | 2          | Long-term on-the-job training          |
| 27-3099        | Media and Communication Workers, All Other                         | 28                 | 30           | 2                    | 7.1%         | 0                       | 0           | 0          | Long-term on-the-job training          |
| 27-4011        | Audio and Video Equipment Technicians                              | 10                 | 11           | 1                    | 10.0%        | 0                       | 0           | 0          | Long-term on-the-job training          |
| 27-4012        | Broadcast Technicians  | 50                 | 51           | 1                    | 2.0%         | 0                       | 1           | 1          | Associate degree                       |
| 27-4021        | Photographers  | 63                 | 67           | 4                    | 6.3%         | 0                       | 1           | 1          | Long-term on-the-job training          |
| 27-4031        | Camera Operators, Television, Video, and Motion Picture            | 24                 | 24           | 0                    | 0.0%         | 0                       | 1           | 1          | Moderate-term on-the-job training      |
| 27-4032        | Film and Video Editors   | 29                 | 31           | 2                    | 6.9%         | 0                       | 1           | 1          | Bachelor's degree                      |
| <b>29-0000</b> | <b>Healthcare Practitioners and Technical Occupations</b>          | <b>6,297</b>       | <b>7,586</b> | <b>1,289</b>         | <b>20.5%</b> | <b>130</b>              | <b>117</b>  | <b>247</b> | <b>NA</b>                              |
| 29-1011        | Chiropractors  | 46                 | 56           | 10                   | 21.7%        | 1                       | 1           | 2          | First Professional degree              |
| 29-1020        | Dentists   | 102                | 97           | -5                   | -4.9%        | 0                       | 2           | 2          | First Professional degree              |
| 29-1031        | Dietitians and Nutritionists                                       | 52                 | 59           | 7                    | 13.5%        | 1                       | 1           | 2          | Bachelor's degree                      |
| 29-1041        | Optometrists   | 27                 | 34           | 7                    | 25.9%        | 1                       | 1           | 2          | First Professional degree              |
| 29-1051        | Pharmacists  | 172                | 208          | 36                   | 20.9%        | 4                       | 3           | 7          | First Professional degree              |

**Employment and Job Openings for All Occupations in Northeastern 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 |                                   |
| 29-1061  | Anesthesiologists                                       | 20                 | 23    | 3                    | 15.0%   | 0                       | 0           | 0     | First Professional degree         |
| 29-1062  | Family and General Practitioners                        | 161                | 184   | 23                   | 14.3%   | 2                       | 2           | 4     | First Professional degree         |
| 29-1063  | Internists, General                                     | 48                 | 56    | 8                    | 16.7%   | 1                       | 1           | 2     | First Professional degree         |
| 29-1064  | Obstetricians and Gynecologists                         | 21                 | 25    | 4                    | 19.0%   | 0                       | 0           | 0     | First Professional degree         |
| 29-1065  | Pediatricians, General                                  | 24                 | 28    | 4                    | 16.7%   | 0                       | 0           | 0     | First Professional degree         |
| 29-1066  | Psychiatrists   | 41                 | 47    | 6                    | 14.6%   | 1                       | 1           | 2     | First Professional degree         |
| 29-1067  | Surgeons  | 72                 | 84    | 12                   | 16.7%   | 1                       | 1           | 2     | First Professional degree         |
| 29-1069  | Physicians and Surgeons, All Other                      | 201                | 232   | 31                   | 15.4%   | 3                       | 3           | 6     | First Professional degree         |
| 29-1071  | Physician Assistants                                    | 114                | 168   | 54                   | 47.4%   | 5                       | 2           | 7     | Bachelor's degree                 |
| 29-1081  | Podiatrists   | 18                 | 23    | 5                    | 27.8%   | 1                       | 0           | 1     | First Professional degree         |
| 29-1111  | Registered Nurses                                       | 2,389              | 2,899 | 510                  | 21.3%   | 51                      | 50          | 101   | Associate degree                  |
| 29-1122  | Occupational Therapists                                 | 91                 | 113   | 22                   | 24.2%   | 2                       | 1           | 3     | Bachelor's degree                 |
| 29-1123  | Physical Therapists                                     | 173                | 221   | 48                   | 27.7%   | 5                       | 2           | 7     | Master's degree                   |
| 29-1124  | Radiation Therapists                                    | 12                 | 15    | 3                    | 25.0%   | 0                       | 0           | 0     | Associate degree                  |
| 29-1125  | Recreational Therapists                                 | 39                 | 39    | 0                    | 0.0%    | 0                       | 1           | 1     | Bachelor's degree                 |
| 29-1126  | Respiratory Therapists                                  | 81                 | 108   | 27                   | 33.3%   | 3                       | 3           | 6     | Associate degree                  |
| 29-1127  | Speech-Language Pathologists                            | 112                | 135   | 23                   | 20.5%   | 2                       | 3           | 5     | Master's degree                   |
| 29-1131  | Veterinarians   | 46                 | 56    | 10                   | 21.7%   | 1                       | 1           | 2     | First Professional degree         |
| 29-1199  | Health Diagnosing and Treating Practitioners, All Other | 13                 | 18    | 5                    | 38.5%   | 1                       | 0           | 1     | Bachelor's degree                 |
| 29-2011  | Medical and Clinical Laboratory Technologists           | 189                | 237   | 48                   | 25.4%   | 5                       | 5           | 10    | Bachelor's degree                 |
| 29-2012  | Medical and Clinical Laboratory Technicians             | 139                | 164   | 25                   | 18.0%   | 3                       | 4           | 7     | Associate degree                  |
| 29-2021  | Dental Hygienists                                       | 166                | 207   | 41                   | 24.7%   | 4                       | 1           | 5     | Associate degree                  |
| 29-2031  | Cardiovascular Technologists and Technicians            | 40                 | 55    | 15                   | 37.5%   | 2                       | 1           | 3     | Associate degree                  |
| 29-2032  | Diagnostic Medical Sonographers                         | 31                 | 37    | 6                    | 19.4%   | 1                       | 1           | 2     | Associate degree                  |
| 29-2033  | Nuclear Medicine Technologists                          | 13                 | 15    | 2                    | 15.4%   | 0                       | 0           | 0     | Associate degree                  |
| 29-2034  | Radiologic Technologists and Technicians                | 168                | 200   | 32                   | 19.0%   | 3                       | 3           | 6     | Associate degree                  |
| 29-2041  | Emergency Medical Technicians and Paramedics            | 296                | 342   | 46                   | 15.5%   | 5                       | 3           | 8     | Postsecondary vocational award    |
| 29-2051  | Dietetic Technicians                                    | 34                 | 42    | 8                    | 23.5%   | 1                       | 0           | 1     | Moderate-term on-the-job training |
| 29-2052  | Pharmacy Technicians                                    | 198                | 240   | 42                   | 21.2%   | 4                       | 3           | 7     | Moderate-term on-the-job training |
| 29-2053  | Psychiatric Technicians                                 | 106                | 110   | 4                    | 3.8%    | 0                       | 1           | 1     | Moderate-term on-the-job training |
| 29-2054  | Respiratory Therapy Technicians                         | 11                 | 15    | 4                    | 36.4%   | 0                       | 0           | 0     | Postsecondary vocational award    |

**Employment and Job Openings for All Occupations in Northeastern 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      |   |
| 29-2055        | Surgical Technologists  | 69                 | 86           | 17                   | 24.6%        | 2                       | 1           | 3          | Postsecondary vocational award          |
| 29-2056        | Veterinary Technologists and Technicians                                | 43                 | 59           | 16                   | 37.2%        | 2                       | 1           | 3          | Associate degree                        |
| 29-2061        | Licensed Practical and Licensed Vocational Nurses                       | 399                | 437          | 38                   | 9.5%         | 4                       | 9           | 13         | Postsecondary vocational award          |
| 29-2071        | Medical Records and Health Information Technicians                      | 156                | 225          | 69                   | 44.2%        | 7                       | 2           | 9          | Associate degree                        |
| 29-2081        | Opticians, Dispensing   | 26                 | 30           | 4                    | 15.4%        | 0                       | 1           | 1          | Long-term on-the-job training           |
| 29-9010        | Occupational Health and Safety Specialists and Technicians              | 41                 | 40           | -1                   | -2.4%        | 0                       | 1           | 1          | Bachelor's degree                       |
| 29-9091        | Athletic Trainers   | 10                 | 12           | 2                    | 20.0%        | 0                       | 0           | 0          | Bachelor's degree                       |
| 29-9199        | Health Professionals and Technicians, All Other                         | 71                 | 87           | 16                   | 22.5%        | 2                       | 1           | 3          | Postsecondary vocational award          |
| <b>31-0000</b> | <b>Healthcare Support Occupations</b>                                   | <b>3,644</b>       | <b>4,525</b> | <b>881</b>           | <b>24.2%</b> | <b>88</b>               | <b>55</b>   | <b>143</b> | <b>NA</b>                               |
| 31-1011        | Home Health Aides   | 825                | 1,121        | 296                  | 35.9%        | 30                      | 11          | 41         | Short-term on-the-job training          |
| 31-1012        | Nursing Aides, Orderlies, and Attendants                                | 1,517              | 1,686        | 169                  | 11.1%        | 17                      | 20          | 37         | Short-term on-the-job training          |
| 31-1013        | Psychiatric Aides   | 196                | 211          | 15                   | 7.7%         | 2                       | 3           | 5          | Short-term on-the-job training          |
| 31-2011        | Occupational Therapist Assistants                                       | 13                 | 19           | 6                    | 46.2%        | 1                       | 0           | 1          | Associate degree                        |
| 31-2012        | Occupational Therapist Aides  | 13                 | 19           | 6                    | 46.2%        | 1                       | 0           | 1          | Short-term on-the-job training          |
| 31-2021        | Physical Therapist Assistants   | 51                 | 74           | 23                   | 45.1%        | 2                       | 1           | 3          | Associate degree                        |
| 31-2022        | Physical Therapist Aides  | 22                 | 31           | 9                    | 40.9%        | 1                       | 0           | 1          | Short-term on-the-job training          |
| 31-9011        | Massage Therapists  | 61                 | 88           | 27                   | 44.3%        | 3                       | 1           | 4          | Postsecondary vocational award          |
| 31-9091        | Dental Assistants   | 163                | 202          | 39                   | 23.9%        | 4                       | 5           | 9          | Moderate-term on-the-job training       |
| 31-9092        | Medical Assistants  | 271                | 420          | 149                  | 55.0%        | 15                      | 5           | 20         | Moderate-term on-the-job training       |
| 31-9093        | Medical Equipment Preparers   | 39                 | 46           | 7                    | 17.9%        | 1                       | 1           | 2          | Short-term on-the-job training          |
| 31-9094        | Medical Transcriptionists   | 119                | 142          | 23                   | 19.3%        | 2                       | 2           | 4          | Postsecondary vocational award          |
| 31-9095        | Pharmacy Aides  | 16                 | 18           | 2                    | 12.5%        | 0                       | 0           | 0          | Short-term on-the-job training          |
| 31-9096        | Veterinary Assistants and Laboratory Animal Caretakers                  | 243                | 327          | 84                   | 34.6%        | 8                       | 5           | 13         | Short-term on-the-job training          |
| 31-9099        | Healthcare Support Workers, All Other                                   | 95                 | 121          | 26                   | 27.4%        | 3                       | 2           | 5          | Short-term on-the-job training          |
| <b>33-0000</b> | <b>Protective Service Occupations</b>                                   | <b>1,855</b>       | <b>2,090</b> | <b>235</b>           | <b>12.7%</b> | <b>24</b>               | <b>54</b>   | <b>78</b>  | <b>NA</b>                               |
| 33-1012        | First-Line Supervisors/Managers of Police and Detectives                | 60                 | 68           | 8                    | 13.3%        | 1                       | 2           | 3          | Work experience in a related occupation |
| 33-1021        | First-Line Supervisors/Managers of Fire Fighting and Prevention Workers | 27                 | 32           | 5                    | 18.5%        | 1                       | 1           | 2          | Work experience in a related occupation |
| 33-1099        | First-Line Supervisors/Managers, Protective Service Workers, All Other  | 57                 | 55           | -2                   | -3.5%        | 0                       | 2           | 2          | Work experience in a related occupation |
| 33-2011        | Fire Fighters   | 283                | 352          | 69                   | 24.4%        | 7                       | 8           | 15         | Long-term on-the-job training           |
| 33-2021        | Fire Inspectors and Investigators                                       | 12                 | 11           | -1                   | -8.3%        | 0                       | 0           | 0          | Work experience in a related occupation |
| 33-2022        | Forest Fire Inspectors and Prevention Specialists                       | 13                 | 12           | -1                   | -7.7%        | 0                       | 0           | 0          | Work experience in a related occupation |

**Employment and Job Openings for All Occupations in Northeastern 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      |   |
| 33-3012        | Correctional Officers and Jailers   | 194                | 209           | 15                   | 7.7%        | 2                       | 4           | 6          | Moderate-term on-the-job training       |
| 33-3021        | Detectives and Criminal Investigators   | 53                 | 65            | 12                   | 22.6%       | 1                       | 1           | 2          | Work experience in a related occupation |
| 33-3031        | Fish and Game Wardens   | 14                 | 11            | -3                   | -21.4%      | 0                       | 0           | 0          | Long-term on-the-job training           |
| 33-3051        | Police and Sheriff's Patrol Officers  | 315                | 394           | 79                   | 25.1%       | 8                       | 8           | 16         | Long-term on-the-job training           |
| 33-9011        | Animal Control Workers  | 12                 | 14            | 2                    | 16.7%       | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 33-9021        | Private Detectives and Investigators  | 25                 | 31            | 6                    | 24.0%       | 1                       | 1           | 2          | Work experience in a related occupation |
| 33-9032        | Security Guards   | 531                | 546           | 15                   | 2.8%        | 2                       | 12          | 14         | Short-term on-the-job training          |
| 33-9091        | Crossing Guards   | 75                 | 89            | 14                   | 18.7%       | 1                       | 2           | 3          | Short-term on-the-job training          |
| 33-9099        | Protective Service Workers, All Other   | 153                | 166           | 13                   | 8.5%        | 1                       | 11          | 12         | Short-term on-the-job training          |
| <b>35-0000</b> | <b>Food Preparation and Serving Related Occupations</b>                               | <b>9,360</b>       | <b>10,100</b> | <b>740</b>           | <b>7.9%</b> | <b>78</b>               | <b>368</b>  | <b>446</b> | <b>NA</b>                               |
| 35-1011        | Chefs and Head Cooks  | 172                | 187           | 15                   | 8.7%        | 2                       | 5           | 7          | Work experience in a related occupation |
| 35-1012        | First-Line Supervisors/Managers of Food Preparation and Serving Workers               | 571                | 609           | 38                   | 6.7%        | 4                       | 14          | 18         | Work experience in a related occupation |
| 35-2011        | Cooks, Fast Food  | 344                | 341           | -3                   | -0.9%       | 0                       | 11          | 11         | Short-term on-the-job training          |
| 35-2012        | Cooks, Institution and Cafeteria  | 402                | 375           | -27                  | -6.7%       | 0                       | 12          | 12         | Moderate-term on-the-job training       |
| 35-2014        | Cooks, Restaurant   | 697                | 748           | 51                   | 7.3%        | 5                       | 22          | 27         | Long-term on-the-job training           |
| 35-2015        | Cooks, Short Order  | 309                | 315           | 6                    | 1.9%        | 1                       | 10          | 11         | Short-term on-the-job training          |
| 35-2021        | Food Preparation Workers  | 1,087              | 1,227         | 140                  | 12.9%       | 14                      | 39          | 53         | Short-term on-the-job training          |
| 35-3011        | Bartenders  | 456                | 449           | -7                   | -1.5%       | 0                       | 18          | 18         | Short-term on-the-job training          |
| 35-3021        | Combined Food Preparation and Serving Workers, Including Fast Food                    | 1,803              | 2,076         | 273                  | 15.1%       | 27                      | 78          | 105        | Short-term on-the-job training          |
| 35-3022        | Counter Attendants, Cafeteria, Food Concession, and Coffee Shop                       | 321                | 357           | 36                   | 11.2%       | 4                       | 21          | 25         | Short-term on-the-job training          |
| 35-3031        | Waiters and Waitresses  | 1,832              | 2,004         | 172                  | 9.4%        | 17                      | 94          | 111        | Short-term on-the-job training          |
| 35-3041        | Food Servers, Nonrestaurant   | 205                | 209           | 4                    | 2.0%        | 0                       | 7           | 7          | Short-term on-the-job training          |
| 35-9011        | Dining Room and Cafeteria Attendants and Bartender Helpers                            | 268                | 289           | 21                   | 7.8%        | 2                       | 9           | 11         | Short-term on-the-job training          |
| 35-9021        | Dishwashers   | 602                | 597           | -5                   | -0.8%       | 0                       | 20          | 20         | Short-term on-the-job training          |
| 35-9031        | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop                              | 276                | 300           | 24                   | 8.7%        | 2                       | 9           | 11         | Short-term on-the-job training          |
| 35-9099        | Food Preparation and Serving Related Workers, All Other                               | 12                 | 14            | 2                    | 16.7%       | 0                       | 0           | 0          | Short-term on-the-job training          |
| <b>37-0000</b> | <b>Building and Grounds Cleaning and Maintenance Occupations</b>                      | <b>4,866</b>       | <b>5,241</b>  | <b>375</b>           | <b>7.7%</b> | <b>38</b>               | <b>98</b>   | <b>136</b> | <b>NA</b>                               |
| 37-1011        | First-Line Supervisors/Managers of Housekeeping and Janitorial Workers                | 177                | 189           | 12                   | 6.8%        | 1                       | 4           | 5          | Work experience in a related occupation |
| 37-1012        | First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers | 111                | 126           | 15                   | 13.5%       | 2                       | 1           | 3          | Work experience in a related occupation |
| 37-2011        | Janitors and Cleaners, Except Maids and Housekeeping Cleaners                         | 1,872              | 2,001         | 129                  | 6.9%        | 13                      | 36          | 49         | Short-term on-the-job training          |
| 37-2012        | Maids and Housekeeping Cleaners   | 1,696              | 1,791         | 95                   | 5.6%        | 10                      | 36          | 46         | Short-term on-the-job training          |

**Employment and Job Openings for All Occupations in Northeastern 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      |   |
| 37-2021        | Pest Control Workers   | 20                 | 21            | 1                    | 5.0%         | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 37-3011        | Landscaping and Groundskeeping Workers                           | 852                | 980           | 128                  | 15.0%        | 13                      | 19          | 32         | Short-term on-the-job training          |
| 37-3012        | Pesticide Handlers, Sprayers, and Applicators, Vegetation        | 33                 | 27            | -6                   | -18.2%       | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 37-3013        | Tree Trimmers and Pruners  | 80                 | 79            | -1                   | -1.3%        | 0                       | 2           | 2          | Short-term on-the-job training          |
| 37-9099        | Building and Grounds Cleaning and Maintenance Workers, All Other | 25                 | 27            | 2                    | 8.0%         | 0                       | 1           | 1          | Short-term on-the-job training          |
| <b>39-0000</b> | <b>Personal Care and Service Occupations</b>                     | <b>3,655</b>       | <b>4,554</b>  | <b>899</b>           | <b>24.6%</b> | <b>90</b>               | <b>83</b>   | <b>173</b> | <b>NA</b>                               |
| 39-1021        | First-Line Supervisors/Managers of Personal Service Workers      | 117                | 150           | 33                   | 28.2%        | 3                       | 3           | 6          | Work experience in a related occupation |
| 39-2021        | Nonfarm Animal Caretakers  | 71                 | 87            | 16                   | 22.5%        | 2                       | 2           | 4          | Short-term on-the-job training          |
| 39-3012        | Gaming and Sports Book Writers and Runners                       | 17                 | 20            | 3                    | 17.6%        | 0                       | 1           | 1          | Postsecondary vocational award          |
| 39-3031        | Ushers, Lobby Attendants, and Ticket Takers                      | 22                 | 28            | 6                    | 27.3%        | 1                       | 1           | 2          | Short-term on-the-job training          |
| 39-3091        | Amusement and Recreation Attendants                              | 115                | 148           | 33                   | 28.7%        | 3                       | 3           | 6          | Short-term on-the-job training          |
| 39-3199        | Gaming Workers, All Other  | 22                 | 21            | -1                   | -4.5%        | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 39-4021        | Funeral Attendants   | 29                 | 35            | 6                    | 20.7%        | 1                       | 1           | 2          | Short-term on-the-job training          |
| 39-5011        | Barbers  | 40                 | 40            | 0                    | 0.0%         | 0                       | 1           | 1          | Postsecondary vocational award          |
| 39-5012        | Hairdressers, Hairstylists, and Cosmetologists                   | 358                | 376           | 18                   | 5.0%         | 2                       | 7           | 9          | Postsecondary vocational award          |
| 39-5094        | Skin Care Specialists  | 12                 | 13            | 1                    | 8.3%         | 0                       | 0           | 0          | Postsecondary vocational award          |
| 39-6011        | Baggage Porters and Bellhops                                     | 33                 | 33            | 0                    | 0.0%         | 0                       | 1           | 1          | Short-term on-the-job training          |
| 39-6021        | Tour Guides and Escorts  | 40                 | 49            | 9                    | 22.5%        | 1                       | 1           | 2          | Moderate-term on-the-job training       |
| 39-9011        | Child Care Workers   | 1,179              | 1,288         | 109                  | 9.2%         | 11                      | 32          | 43         | Short-term on-the-job training          |
| 39-9021        | Personal and Home Care Aides                                     | 1,014              | 1,551         | 537                  | 53.0%        | 54                      | 16          | 70         | Short-term on-the-job training          |
| 39-9031        | Fitness Trainers and Aerobics Instructors                        | 173                | 219           | 46                   | 26.6%        | 5                       | 4           | 9          | Postsecondary vocational award          |
| 39-9032        | Recreation Workers   | 195                | 237           | 42                   | 21.5%        | 4                       | 5           | 9          | Bachelor's degree                       |
| 39-9041        | Residential Advisors   | 81                 | 100           | 19                   | 23.5%        | 2                       | 2           | 4          | Moderate-term on-the-job training       |
| 39-9099        | Personal Care and Service Workers, All Other                     | 66                 | 82            | 16                   | 24.2%        | 2                       | 1           | 3          | Short-term on-the-job training          |
| <b>41-0000</b> | <b>Sales and Related Occupations</b>                             | <b>11,340</b>      | <b>11,946</b> | <b>606</b>           | <b>5.3%</b>  | <b>68</b>               | <b>382</b>  | <b>450</b> | <b>NA</b>                               |
| 41-1011        | First-Line Supervisors/Managers of Retail Sales Workers          | 1,705              | 1,865         | 160                  | 9.4%         | 16                      | 31          | 47         | Work experience in a related occupation |
| 41-1012        | First-Line Supervisors/Managers of Non-Retail Sales Workers      | 226                | 248           | 22                   | 9.7%         | 2                       | 4           | 6          | Work experience in a related occupation |
| 41-2011        | Cashiers   | 3,262              | 3,514         | 252                  | 7.7%         | 25                      | 159         | 184        | Short-term on-the-job training          |
| 41-2021        | Counter and Rental Clerks  | 275                | 321           | 46                   | 16.7%        | 5                       | 11          | 16         | Short-term on-the-job training          |
| 41-2022        | Parts Salespersons   | 374                | 358           | -16                  | -4.3%        | 0                       | 11          | 11         | Moderate-term on-the-job training       |
| 41-2031        | Retail Salespersons  | 3,198              | 3,211         | 13                   | 0.4%         | 1                       | 116         | 117        | Short-term on-the-job training          |

**Employment and Job Openings for All Occupations in Northeastern 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      |   |
| 41-3011        | Advertising Sales Agents  | 141                | 151           | 10                   | 7.1%         | 1                       | 3           | 4          | Moderate-term on-the-job training       |
| 41-3021        | Insurance Sales Agents  | 204                | 212           | 8                    | 3.9%         | 1                       | 5           | 6          | Bachelor's degree                       |
| 41-3031        | Securities, Commodities, and Financial Services Sales Agents                      | 62                 | 75            | 13                   | 21.0%        | 1                       | 1           | 2          | Bachelor's degree                       |
| 41-3041        | Travel Agents   | 35                 | 24            | -11                  | -31.4%       | 0                       | 1           | 1          | Postsecondary vocational award          |
| 41-4011        | Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products | 159                | 161           | 2                    | 1.3%         | 0                       | 4           | 4          | Moderate-term on-the-job training       |
| 41-4012        | Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products   | 706                | 754           | 48                   | 6.8%         | 5                       | 19          | 24         | Moderate-term on-the-job training       |
| 41-9011        | Demonstrators and Product Promoters   | 41                 | 50            | 9                    | 22.0%        | 1                       | 1           | 2          | Moderate-term on-the-job training       |
| 41-9021        | Real Estate Brokers   | 144                | 160           | 16                   | 11.1%        | 2                       | 3           | 5          | Work experience in a related occupation |
| 41-9022        | Real Estate Sales Agents  | 64                 | 73            | 9                    | 14.1%        | 1                       | 1           | 2          | Postsecondary vocational award          |
| 41-9031        | Sales Engineers   | 20                 | 24            | 4                    | 20.0%        | 0                       | 1           | 1          | Bachelor's degree                       |
| 41-9041        | Telemarketers   | 276                | 234           | -42                  | -15.2%       | 0                       | 5           | 5          | Short-term on-the-job training          |
| 41-9091        | Door-To-Door Sales Workers, News and Street Vendors, and Related Workers          | 130                | 147           | 17                   | 13.1%        | 2                       | 3           | 5          | Short-term on-the-job training          |
| 41-9099        | Sales and Related Workers, All Other  | 308                | 353           | 45                   | 14.6%        | 5                       | 6           | 11         | Moderate-term on-the-job training       |
| <b>43-0000</b> | <b>Office and Administrative Support Occupations</b>                              | <b>15,432</b>      | <b>14,804</b> | <b>-628</b>          | <b>-4.1%</b> | <b>36</b>               | <b>359</b>  | <b>395</b> | <b>NA</b>                               |
| 43-1011        | First-Line Supervisors/Managers of Office and Administrative Support Workers      | 913                | 895           | -18                  | -2.0%        | 0                       | 20          | 20         | Work experience in a related occupation |
| 43-2011        | Switchboard Operators, Including Answering Service                                | 178                | 159           | -19                  | -10.7%       | 0                       | 5           | 5          | Short-term on-the-job training          |
| 43-3011        | Bill and Account Collectors   | 269                | 303           | 34                   | 12.6%        | 3                       | 5           | 8          | Short-term on-the-job training          |
| 43-3021        | Billing and Posting Clerks and Machine Operators                                  | 427                | 440           | 13                   | 3.0%         | 1                       | 7           | 8          | Moderate-term on-the-job training       |
| 43-3031        | Bookkeeping, Accounting, and Auditing Clerks                                      | 1,547              | 1,487         | -60                  | -3.9%        | 0                       | 29          | 29         | Moderate-term on-the-job training       |
| 43-3051        | Payroll and Timekeeping Clerks  | 148                | 137           | -11                  | -7.4%        | 0                       | 4           | 4          | Moderate-term on-the-job training       |
| 43-3061        | Procurement Clerks  | 33                 | 28            | -5                   | -15.2%       | 0                       | 1           | 1          | Short-term on-the-job training          |
| 43-3071        | Tellers   | 430                | 447           | 17                   | 4.0%         | 2                       | 21          | 23         | Short-term on-the-job training          |
| 43-4011        | Brokerage Clerks  | 14                 | 10            | -4                   | -28.6%       | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 43-4021        | Correspondence Clerks   | 13                 | 11            | -2                   | -15.4%       | 0                       | 0           | 0          | Short-term on-the-job training          |
| 43-4031        | Court, Municipal, and License Clerks  | 115                | 118           | 3                    | 2.6%         | 0                       | 3           | 3          | Short-term on-the-job training          |
| 43-4041        | Credit Authorizers, Checkers, and Clerks  | 12                 | 12            | 0                    | 0.0%         | 0                       | 0           | 0          | Short-term on-the-job training          |
| 43-4051        | Customer Service Representatives  | 993                | 1,036         | 43                   | 4.3%         | 4                       | 15          | 19         | Moderate-term on-the-job training       |
| 43-4061        | Eligibility Interviewers, Government Programs                                     | 67                 | 51            | -16                  | -23.9%       | 0                       | 2           | 2          | Moderate-term on-the-job training       |
| 43-4071        | File Clerks   | 107                | 101           | -6                   | -5.6%        | 0                       | 3           | 3          | Short-term on-the-job training          |
| 43-4081        | Hotel, Motel, and Resort Desk Clerks  | 277                | 308           | 31                   | 11.2%        | 3                       | 12          | 15         | Short-term on-the-job training          |
| 43-4111        | Interviewers, Except Eligibility and Loan   | 110                | 137           | 27                   | 24.5%        | 3                       | 3           | 6          | Short-term on-the-job training          |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 43-4121  | Library Assistants, Clerical  | 52                 | 59    | 7                    | 13.5%   | 1                       | 2           | 3     | Short-term on-the-job training          |
| 43-4131  | Loan Interviewers and Clerks  | 91                 | 68    | -23                  | -25.3%  | 0                       | 1           | 1     | Short-term on-the-job training          |
| 43-4141  | New Accounts Clerks   | 64                 | 67    | 3                    | 4.7%    | 0                       | 2           | 2     | Work experience in a related occupation |
| 43-4151  | Order Clerks  | 142                | 106   | -36                  | -25.4%  | 0                       | 3           | 3     | Short-term on-the-job training          |
| 43-4161  | Human Resources Assistants, Except Payroll and Timekeeping                | 101                | 113   | 12                   | 11.9%   | 1                       | 2           | 3     | Short-term on-the-job training          |
| 43-4171  | Receptionists and Information Clerks                                      | 616                | 722   | 106                  | 17.2%   | 11                      | 15          | 26    | Short-term on-the-job training          |
| 43-4181  | Reservation and Transportation Ticket Agents and Travel Clerks            | 118                | 116   | -2                   | -1.7%   | 0                       | 3           | 3     | Short-term on-the-job training          |
| 43-4999  | Financial, Information, and Record Clerks, All Other                      | 181                | 183   | 2                    | 1.1%    | 0                       | 3           | 3     | Short-term on-the-job training          |
| 43-5011  | Cargo and Freight Agents  | 28                 | 26    | -2                   | -7.1%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 43-5021  | Couriers and Messengers   | 50                 | 47    | -3                   | -6.0%   | 0                       | 1           | 1     | Short-term on-the-job training          |
| 43-5031  | Police, Fire, and Ambulance Dispatchers                                   | 109                | 123   | 14                   | 12.8%   | 1                       | 2           | 3     | Moderate-term on-the-job training       |
| 43-5032  | Dispatchers, Except Police, Fire, and Ambulance                           | 141                | 142   | 1                    | 0.7%    | 0                       | 3           | 3     | Moderate-term on-the-job training       |
| 43-5041  | Meter Readers, Utilities  | 50                 | 42    | -8                   | -16.0%  | 0                       | 2           | 2     | Short-term on-the-job training          |
| 43-5051  | Postal Service Clerks   | 108                | 94    | -14                  | -13.0%  | 0                       | 3           | 3     | Short-term on-the-job training          |
| 43-5052  | Postal Service Mail Carriers  | 269                | 234   | -35                  | -13.0%  | 0                       | 8           | 8     | Short-term on-the-job training          |
| 43-5053  | Postal Service Mail Sorters, Processors, and Processing Machine Operators | 300                | 234   | -66                  | -22.0%  | 0                       | 8           | 8     | Short-term on-the-job training          |
| 43-5061  | Production, Planning, and Expediting Clerks                               | 125                | 113   | -12                  | -9.6%   | 0                       | 3           | 3     | Short-term on-the-job training          |
| 43-5071  | Shipping, Receiving, and Traffic Clerks                                   | 422                | 378   | -44                  | -10.4%  | 0                       | 9           | 9     | Short-term on-the-job training          |
| 43-5081  | Stock Clerks and Order Fillers  | 1,083              | 946   | -137                 | -12.7%  | 0                       | 40          | 40    | Short-term on-the-job training          |
| 43-5111  | Weighers, Measurers, Checkers, and Samplers, Recordkeeping                | 39                 | 40    | 1                    | 2.6%    | 0                       | 1           | 1     | Short-term on-the-job training          |
| 43-6011  | Executive Secretaries and Administrative Assistants                       | 908                | 915   | 7                    | 0.8%    | 1                       | 17          | 18    | Moderate-term on-the-job training       |
| 43-6012  | Legal Secretaries   | 149                | 142   | -7                   | -4.7%   | 0                       | 3           | 3     | Postsecondary vocational award          |
| 43-6013  | Medical Secretaries   | 353                | 390   | 37                   | 10.5%   | 4                       | 7           | 11    | Postsecondary vocational award          |
| 43-6014  | Secretaries, Except Legal, Medical, and Executive                         | 1,578              | 1,411 | -167                 | -10.6%  | 0                       | 30          | 30    | Moderate-term on-the-job training       |
| 43-9011  | Computer Operators  | 99                 | 66    | -33                  | -33.3%  | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 43-9021  | Data Entry Keyers   | 147                | 111   | -36                  | -24.5%  | 0                       | 4           | 4     | Moderate-term on-the-job training       |
| 43-9022  | Word Processors and Typists   | 171                | 81    | -90                  | -52.6%  | 0                       | 4           | 4     | Moderate-term on-the-job training       |
| 43-9031  | Desktop Publishers  | 19                 | 22    | 3                    | 15.8%   | 0                       | 0           | 0     | Postsecondary vocational award          |
| 43-9041  | Insurance Claims and Policy Processing Clerks                             | 60                 | 58    | -2                   | -3.3%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 43-9051  | Mail Clerks and Mail Machine Operators, Except Postal Service             | 61                 | 52    | -9                   | -14.8%  | 0                       | 2           | 2     | Short-term on-the-job training          |
| 43-9061  | Office Clerks, General  | 1,897              | 1,850 | -47                  | -2.5%   | 0                       | 42          | 42    | Short-term on-the-job training          |

**Employment and Job Openings for All Occupations in Northeastern 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      |   |
| 43-9071        | Office Machine Operators, Except Computer   | 28                 | 23           | -5                   | -17.9%       | 0                       | 1           | 1          | Short-term on-the-job training          |
| 43-9081        | Proofreaders and Copy Markers   | 20                 | 17           | -3                   | -15.0%       | 0                       | 0           | 0          | Short-term on-the-job training          |
| 43-9111        | Statistical Assistants  | 11                 | 9            | -2                   | -18.2%       | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 43-9999        | Secretaries, Administrative Assistants, and Other Office Support Workers, All Other | 111                | 92           | -19                  | -17.1%       | 0                       | 2           | 2          | Short-term on-the-job training          |
| <b>45-0000</b> | <b>Farming, Fishing, and Forestry Occupations</b>                                   | <b>1,415</b>       | <b>1,424</b> | <b>9</b>             | <b>0.6%</b>  | <b>5</b>                | <b>32</b>   | <b>37</b>  | <b>NA</b>                               |
| 45-1011        | First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers           | 65                 | 67           | 2                    | 3.1%         | 0                       | 2           | 2          | Work experience in a related occupation |
| 45-2011        | Agricultural Inspectors   | 10                 | 10           | 0                    | 0.0%         | 0                       | 0           | 0          | Work experience in a related occupation |
| 45-2041        | Graders and Sorters, Agricultural Products  | 38                 | 37           | -1                   | -2.6%        | 0                       | 1           | 1          | Work experience in a related occupation |
| 45-2091        | Agricultural Equipment Operators  | 13                 | 13           | 0                    | 0.0%         | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 45-2092        | Farmworkers and Laborers, Crop, Nursery, and Greenhouse                             | 157                | 176          | 19                   | 12.1%        | 2                       | 4           | 6          | Short-term on-the-job training          |
| 45-2093        | Farmworkers, Farm and Ranch Animals   | 56                 | 80           | 24                   | 42.9%        | 2                       | 2           | 4          | Short-term on-the-job training          |
| 45-3011        | Fishers and Related Fishing Workers   | 235                | 230          | -5                   | -2.1%        | 0                       | 7           | 7          | Moderate-term on-the-job training       |
| 45-4011        | Forest and Conservation Workers   | 20                 | 20           | 0                    | 0.0%         | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 45-4021        | Fallers   | 316                | 304          | -12                  | -3.8%        | 0                       | 6           | 6          | Moderate-term on-the-job training       |
| 45-4022        | Logging Equipment Operators   | 470                | 452          | -18                  | -3.8%        | 0                       | 9           | 9          | Moderate-term on-the-job training       |
| 45-4023        | Log Graders and Scalers   | 24                 | 22           | -2                   | -8.3%        | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| <b>47-0000</b> | <b>Construction and Extraction Occupations</b>                                      | <b>6,046</b>       | <b>5,867</b> | <b>-179</b>          | <b>-3.0%</b> | <b>3</b>                | <b>116</b>  | <b>119</b> | <b>NA</b>                               |
| 47-1011        | First-Line Supervisors/Managers of Construction Trades and Extraction Workers       | 481                | 473          | -8                   | -1.7%        | 0                       | 8           | 8          | Work experience in a related occupation |
| 47-2011        | Boilermakers  | 29                 | 22           | -7                   | -24.1%       | 0                       | 1           | 1          | Long-term on-the-job training           |
| 47-2021        | Brickmasons and Blockmasons   | 82                 | 79           | -3                   | -3.7%        | 0                       | 1           | 1          | Long-term on-the-job training           |
| 47-2022        | Stonemasons   | 23                 | 22           | -1                   | -4.3%        | 0                       | 0           | 0          | Long-term on-the-job training           |
| 47-2031        | Carpenters  | 1,563              | 1,540        | -23                  | -1.5%        | 0                       | 25          | 25         | Long-term on-the-job training           |
| 47-2041        | Carpet Installers   | 25                 | 25           | 0                    | 0.0%         | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 47-2043        | Floor Sanders and Finishers   | 16                 | 13           | -3                   | -18.8%       | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 47-2044        | Tile and Marble Setters   | 14                 | 15           | 1                    | 7.1%         | 0                       | 0           | 0          | Long-term on-the-job training           |
| 47-2051        | Cement Masons and Concrete Finishers  | 112                | 116          | 4                    | 3.6%         | 0                       | 2           | 2          | Moderate-term on-the-job training       |
| 47-2061        | Construction Laborers   | 617                | 614          | -3                   | -0.5%        | 0                       | 8           | 8          | Moderate-term on-the-job training       |
| 47-2071        | Paving, Surfacing, and Tamping Equipment Operators                                  | 91                 | 95           | 4                    | 4.4%         | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 47-2073        | Operating Engineers and Other Construction Equipment Operators                      | 305                | 315          | 10                   | 3.3%         | 1                       | 8           | 9          | Moderate-term on-the-job training       |
| 47-2081        | Drywall and Ceiling Tile Installers   | 72                 | 74           | 2                    | 2.8%         | 0                       | 2           | 2          | Moderate-term on-the-job training       |
| 47-2111        | Electricians  | 603                | 581          | -22                  | -3.6%        | 0                       | 12          | 12         | Long-term on-the-job training           |



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| SOC Code       | Occupation  | Average Employment |              | Change in Employment |             | Average Annual Openings |             |            | Education/Training Requirement          |
|----------------|---|--------------------|--------------|----------------------|-------------|-------------------------|-------------|------------|---|
|                |   | 2002               | 2012         | Net                  | Percent     | Growth                  | Replacement | Total      |   |
| 47-2121        | Glaziers  | 20                 | 18           | -2                   | -10.0%      | 0                       | 0           | 0          | Long-term on-the-job training           |
| 47-2130        | Insulation Workers  | 52                 | 46           | -6                   | -11.5%      | 0                       | 2           | 2          | Moderate-term on-the-job training       |
| 47-2141        | Painters, Construction and Maintenance  | 378                | 350          | -28                  | -7.4%       | 0                       | 6           | 6          | Moderate-term on-the-job training       |
| 47-2142        | Paperhangers  | 18                 | 15           | -3                   | -16.7%      | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 47-2151        | Pipelayers  | 47                 | 50           | 3                    | 6.4%        | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 47-2152        | Plumbers, Pipefitters, and Steamfitters                                       | 405                | 363          | -42                  | -10.4%      | 0                       | 9           | 9          | Long-term on-the-job training           |
| 47-2181        | Roofers   | 85                 | 81           | -4                   | -4.7%       | 0                       | 2           | 2          | Moderate-term on-the-job training       |
| 47-2211        | Sheet Metal Workers   | 151                | 140          | -11                  | -7.3%       | 0                       | 4           | 4          | Moderate-term on-the-job training       |
| 47-2221        | Structural Iron and Steel Workers   | 35                 | 32           | -3                   | -8.6%       | 0                       | 1           | 1          | Long-term on-the-job training           |
| 47-3011        | Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters   | 43                 | 37           | -6                   | -14.0%      | 0                       | 2           | 2          | Short-term on-the-job training          |
| 47-3012        | Helpers--Carpenters   | 71                 | 68           | -3                   | -4.2%       | 0                       | 3           | 3          | Short-term on-the-job training          |
| 47-3013        | Helpers--Electricians   | 104                | 95           | -9                   | -8.7%       | 0                       | 4           | 4          | Short-term on-the-job training          |
| 47-3014        | Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons                | 10                 | 9            | -1                   | -10.0%      | 0                       | 0           | 0          | Short-term on-the-job training          |
| 47-3015        | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters                  | 35                 | 29           | -6                   | -17.1%      | 0                       | 2           | 2          | Short-term on-the-job training          |
| 47-3016        | Helpers--Roofers  | 14                 | 13           | -1                   | -7.1%       | 0                       | 1           | 1          | Short-term on-the-job training          |
| 47-3019        | Helpers, Construction Trades, All Other                                       | 12                 | 11           | -1                   | -8.3%       | 0                       | 1           | 1          | Short-term on-the-job training          |
| 47-4011        | Construction and Building Inspectors  | 21                 | 22           | 1                    | 4.8%        | 0                       | 1           | 1          | Work experience in a related occupation |
| 47-4021        | Elevator Installers and Repairers   | 50                 | 45           | -5                   | -10.0%      | 0                       | 1           | 1          | Long-term on-the-job training           |
| 47-4031        | Fence Erectors  | 22                 | 16           | -6                   | -27.3%      | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 47-4041        | Hazardous Materials Removal Workers   | 36                 | 39           | 3                    | 8.3%        | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 47-4051        | Highway Maintenance Workers   | 280                | 280          | 0                    | 0.0%        | 0                       | 4           | 4          | Moderate-term on-the-job training       |
| 47-4061        | Rail-Track Laying and Maintenance Equipment Operators                         | 26                 | 24           | -2                   | -7.7%       | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 47-4999        | Construction Trades and Related Workers, All Other                            | 36                 | 40           | 4                    | 11.1%       | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 47-5021        | Earth Drillers, Except Oil and Gas  | 26                 | 25           | -1                   | -3.8%       | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| <b>49-0000</b> | <b>Installation, Maintenance, and Repair Occupations</b>                      | <b>5,640</b>       | <b>5,883</b> | <b>243</b>           | <b>4.3%</b> | <b>40</b>               | <b>131</b>  | <b>171</b> | <b>NA</b>                               |
| 49-1011        | First-Line Supervisors/Managers of Mechanics, Installers, and Repairers       | 421                | 432          | 11                   | 2.6%        | 1                       | 11          | 12         | Work experience in a related occupation |
| 49-2011        | Computer, Automated Teller, and Office Machine Repairers                      | 101                | 106          | 5                    | 5.0%        | 1                       | 1           | 2          | Postsecondary vocational award          |
| 49-2022        | Telecommunications Equipment Installers and Repairers, Except Line Installers | 157                | 146          | -11                  | -7.0%       | 0                       | 3           | 3          | Long-term on-the-job training           |
| 49-2091        | Avionics Technicians  | 10                 | 13           | 3                    | 30.0%       | 0                       | 0           | 0          | Postsecondary vocational award          |
| 49-2092        | Electric Motor, Power Tool, and Related Repairers                             | 53                 | 44           | -9                   | -17.0%      | 0                       | 1           | 1          | Postsecondary vocational award          |
| 49-2093        | Electrical and Electronics Installers and Repairers, Transportation Equipment | 38                 | 43           | 5                    | 13.2%       | 1                       | 1           | 2          | Postsecondary vocational award          |

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|----------|---|--------------------|-------|----------------------|---------|-------------------------|-------------|-------|-----------------------------------|
|          |   | 2002               | 2012  | Net                  | Percent | Growth                  | Replacement | Total |                                   |
| 49-2094  | Electrical and Electronics Repairers, Commercial and Industrial Equipment | 115                | 88    | -27                  | -23.5%  | 0                       | 3           | 3     | Postsecondary vocational award    |
| 49-2095  | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay   | 15                 | 14    | -1                   | -6.7%   | 0                       | 0           | 0     | Postsecondary vocational award    |
| 49-2097  | Electronic Home Entertainment Equipment Installers and Repairers          | 24                 | 26    | 2                    | 8.3%    | 0                       | 1           | 1     | Postsecondary vocational award    |
| 49-2098  | Security and Fire Alarm Systems Installers                                | 13                 | 13    | 0                    | 0.0%    | 0                       | 0           | 0     | Postsecondary vocational award    |
| 49-3011  | Aircraft Mechanics and Service Technicians                                | 154                | 163   | 9                    | 5.8%    | 1                       | 4           | 5     | Postsecondary vocational award    |
| 49-3021  | Automotive Body and Related Repairers                                     | 188                | 212   | 24                   | 12.8%   | 2                       | 4           | 6     | Long-term on-the-job training     |
| 49-3022  | Automotive Glass Installers and Repairers                                 | 17                 | 19    | 2                    | 11.8%   | 0                       | 0           | 0     | Long-term on-the-job training     |
| 49-3023  | Automotive Service Technicians and Mechanics                              | 997                | 1,110 | 113                  | 11.3%   | 11                      | 27          | 38    | Postsecondary vocational award    |
| 49-3031  | Bus and Truck Mechanics and Diesel Engine Specialists                     | 297                | 329   | 32                   | 10.8%   | 3                       | 8           | 11    | Postsecondary vocational award    |
| 49-3041  | Farm Equipment Mechanics  | 17                 | 18    | 1                    | 5.9%    | 0                       | 0           | 0     | Postsecondary vocational award    |
| 49-3042  | Mobile Heavy Equipment Mechanics, Except Engines                          | 136                | 139   | 3                    | 2.2%    | 0                       | 3           | 3     | Postsecondary vocational award    |
| 49-3043  | Rail Car Repairers  | 19                 | 17    | -2                   | -10.5%  | 0                       | 0           | 0     | Long-term on-the-job training     |
| 49-3051  | Motorboat Mechanics   | 82                 | 100   | 18                   | 22.0%   | 2                       | 2           | 4     | Long-term on-the-job training     |
| 49-3052  | Motorcycle Mechanics  | 10                 | 13    | 3                    | 30.0%   | 0                       | 0           | 0     | Long-term on-the-job training     |
| 49-3053  | Outdoor Power Equipment and Other Small Engine Mechanics                  | 59                 | 71    | 12                   | 20.3%   | 1                       | 2           | 3     | Moderate-term on-the-job training |
| 49-3091  | Bicycle Repairers   | 16                 | 17    | 1                    | 6.3%    | 0                       | 1           | 1     | Moderate-term on-the-job training |
| 49-3092  | Recreational Vehicle Service Technicians                                  | 20                 | 28    | 8                    | 40.0%   | 1                       | 1           | 2     | Long-term on-the-job training     |
| 49-3093  | Tire Repairers and Changers   | 114                | 121   | 7                    | 6.1%    | 1                       | 5           | 6     | Short-term on-the-job training    |
| 49-9012  | Control and Valve Installers and Repairers, Except Mechanical Door        | 39                 | 43    | 4                    | 10.3%   | 0                       | 1           | 1     | Moderate-term on-the-job training |
| 49-9021  | Heating, Air Conditioning, and Refrigeration Mechanics and Installers     | 418                | 482   | 64                   | 15.3%   | 6                       | 6           | 12    | Long-term on-the-job training     |
| 49-9031  | Home Appliance Repairers  | 42                 | 44    | 2                    | 4.8%    | 0                       | 1           | 1     | Long-term on-the-job training     |
| 49-9041  | Industrial Machinery Mechanics  | 130                | 120   | -10                  | -7.7%   | 0                       | 3           | 3     | Long-term on-the-job training     |
| 49-9042  | Maintenance and Repair Workers, General                                   | 967                | 1,004 | 37                   | 3.8%    | 4                       | 19          | 23    | Moderate-term on-the-job training |
| 49-9043  | Maintenance Workers, Machinery  | 101                | 84    | -17                  | -16.8%  | 0                       | 2           | 2     | Short-term on-the-job training    |
| 49-9044  | Millwrights   | 210                | 157   | -53                  | -25.2%  | 0                       | 5           | 5     | Long-term on-the-job training     |
| 49-9051  | Electrical Power-Line Installers and Repairers                            | 132                | 131   | -1                   | -0.8%   | 0                       | 4           | 4     | Long-term on-the-job training     |
| 49-9052  | Telecommunications Line Installers and Repairers                          | 92                 | 85    | -7                   | -7.6%   | 0                       | 3           | 3     | Long-term on-the-job training     |
| 49-9062  | Medical Equipment Repairers   | 14                 | 18    | 4                    | 28.6%   | 0                       | 0           | 0     | Associate degree                  |
| 49-9069  | Precision Instrument and Equipment Repairers, All Other                   | 53                 | 41    | -12                  | -22.6%  | 0                       | 2           | 2     | Long-term on-the-job training     |
| 49-9091  | Coin, Vending, and Amusement Machine Servicers and Repairers              | 24                 | 24    | 0                    | 0.0%    | 0                       | 1           | 1     | Moderate-term on-the-job training |
| 49-9094  | Locksmiths and Safe Repairers   | 27                 | 26    | -1                   | -3.7%   | 0                       | 1           | 1     | Moderate-term on-the-job training |

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| SOC Code       | Occupation   | Average Employment |              | Change in Employment |               | Average Annual Openings |             |            | Education/Training Requirement          |
|----------------|--|--------------------|--------------|----------------------|---------------|-------------------------|-------------|------------|---|
|                |  | 2002               | 2012         | Net                  | Percent       | Growth                  | Replacement | Total      |   |
| 49-9095        | Manufactured Building and Mobile Home Installers   | 28                 | 37           | 9                    | 32.1%         | 1                       | 1           | 2          | Moderate-term on-the-job training       |
| 49-9096        | Riggers  | 21                 | 23           | 2                    | 9.5%          | 0                       | 1           | 1          | Short-term on-the-job training          |
| 49-9097        | Signal and Track Switch Repairers  | 11                 | 11           | 0                    | 0.0%          | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 49-9098        | Helpers--Installation, Maintenance, and Repair Workers                                   | 58                 | 68           | 10                   | 17.2%         | 1                       | 2           | 3          | Short-term on-the-job training          |
| 49-9099        | Installation, Maintenance, and Repair Workers, All Other                                 | 165                | 168          | 3                    | 1.8%          | 0                       | 4           | 4          | Moderate-term on-the-job training       |
| <b>51-0000</b> | <b>Production Occupations</b>  | <b>7,304</b>       | <b>6,278</b> | <b>-1,026</b>        | <b>-14.0%</b> | <b>4</b>                | <b>173</b>  | <b>177</b> | <b>NA</b>                               |
| 51-1011        | First-Line Supervisors/Managers of Production and Operating Workers                      | 532                | 474          | -58                  | -10.9%        | 0                       | 11          | 11         | Work experience in a related occupation |
| 51-2021        | Coil Winders, Tapers, and Finishers  | 23                 | 19           | -4                   | -17.4%        | 0                       | 1           | 1          | Short-term on-the-job training          |
| 51-2022        | Electrical and Electronic Equipment Assemblers   | 48                 | 43           | -5                   | -10.4%        | 0                       | 1           | 1          | Short-term on-the-job training          |
| 51-2023        | Electromechanical Equipment Assemblers   | 27                 | 24           | -3                   | -11.1%        | 0                       | 1           | 1          | Short-term on-the-job training          |
| 51-2041        | Structural Metal Fabricators and Fitters   | 64                 | 48           | -16                  | -25.0%        | 0                       | 2           | 2          | Moderate-term on-the-job training       |
| 51-2091        | Fiberglass Laminators and Fabricators  | 62                 | 48           | -14                  | -22.6%        | 0                       | 2           | 2          | Moderate-term on-the-job training       |
| 51-2092        | Team Assemblers  | 479                | 417          | -62                  | -12.9%        | 0                       | 12          | 12         | Moderate-term on-the-job training       |
| 51-2099        | Assemblers and Fabricators, All Other  | 112                | 99           | -13                  | -11.6%        | 0                       | 3           | 3          | Moderate-term on-the-job training       |
| 51-3011        | Bakers   | 132                | 145          | 13                   | 9.8%          | 1                       | 3           | 4          | Long-term on-the-job training           |
| 51-3021        | Butchers and Meat Cutters  | 124                | 116          | -8                   | -6.5%         | 0                       | 3           | 3          | Long-term on-the-job training           |
| 51-3022        | Meat, Poultry, and Fish Cutters and Trimmers   | 97                 | 89           | -8                   | -8.2%         | 0                       | 2           | 2          | Short-term on-the-job training          |
| 51-3092        | Food Batchmakers   | 34                 | 35           | 1                    | 2.9%          | 0                       | 1           | 1          | Short-term on-the-job training          |
| 51-4011        | Computer-Controlled Machine Tool Operators, Metal and Plastic                            | 185                | 182          | -3                   | -1.6%         | 0                       | 3           | 3          | Moderate-term on-the-job training       |
| 51-4012        | Numerical Tool and Process Control Programmers   | 83                 | 86           | 3                    | 3.6%          | 0                       | 1           | 1          | Long-term on-the-job training           |
| 51-4031        | Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic  | 65                 | 56           | -9                   | -13.8%        | 0                       | 2           | 2          | Moderate-term on-the-job training       |
| 51-4032        | Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic      | 31                 | 28           | -3                   | -9.7%         | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 51-4033        | Grinding/Lapping/Polishing&Buffing Machine Tool Setters/Operators/Tenders, Metal&Plastic | 73                 | 65           | -8                   | -11.0%        | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 51-4034        | Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic        | 62                 | 52           | -10                  | -16.1%        | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 51-4041        | Machinists   | 243                | 220          | -23                  | -9.5%         | 0                       | 6           | 6          | Long-term on-the-job training           |
| 51-4072        | Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic      | 11                 | 9            | -2                   | -18.2%        | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 51-4081        | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic                 | 19                 | 16           | -3                   | -15.8%        | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 51-4121        | Welders, Cutters, Solderers, and Brazers   | 201                | 193          | -8                   | -4.0%         | 0                       | 6           | 6          | Long-term on-the-job training           |
| 51-4122        | Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders                  | 93                 | 84           | -9                   | -9.7%         | 0                       | 3           | 3          | Moderate-term on-the-job training       |
| 51-4194        | Tool Grinders, Filers, and Sharpeners  | 12                 | 11           | -1                   | -8.3%         | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 51-5011        | Bindery Workers  | 44                 | 37           | -7                   | -15.9%        | 0                       | 1           | 1          | Short-term on-the-job training          |

**Employment and Job Openings for All Occupations in Northeastern 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 |                                   |
| 51-5021  | Job Printers  | 12                 | 13   | 1                    | 8.3%    | 0                       | 0           | 0     | Long-term on-the-job training     |
| 51-5022  | Prepress Technicians and Workers  | 39                 | 32   | -7                   | -17.9%  | 0                       | 1           | 1     | Long-term on-the-job training     |
| 51-5023  | Printing Machine Operators  | 89                 | 90   | 1                    | 1.1%    | 0                       | 2           | 2     | Moderate-term on-the-job training |
| 51-6011  | Laundry and Dry-Cleaning Workers  | 217                | 221  | 4                    | 1.8%    | 0                       | 6           | 6     | Moderate-term on-the-job training |
| 51-6021  | Pressers, Textile, Garment, and Related Materials   | 23                 | 22   | -1                   | -4.3%   | 0                       | 0           | 0     | Short-term on-the-job training    |
| 51-6031  | Sewing Machine Operators  | 139                | 123  | -16                  | -11.5%  | 0                       | 2           | 2     | Moderate-term on-the-job training |
| 51-6041  | Shoe and Leather Workers and Repairers  | 28                 | 15   | -13                  | -46.4%  | 0                       | 1           | 1     | Long-term on-the-job training     |
| 51-6042  | Shoe Machine Operators and Tenders  | 31                 | 14   | -17                  | -54.8%  | 0                       | 0           | 0     | Moderate-term on-the-job training |
| 51-6051  | Sewers, Hand  | 35                 | 20   | -15                  | -42.9%  | 0                       | 1           | 1     | Short-term on-the-job training    |
| 51-6052  | Tailors, Dressmakers, and Custom Sewers   | 29                 | 25   | -4                   | -13.8%  | 0                       | 1           | 1     | Long-term on-the-job training     |
| 51-6061  | Textile Bleaching and Dyeing Machine Operators and Tenders                                    | 13                 | 8    | -5                   | -38.5%  | 0                       | 0           | 0     | Moderate-term on-the-job training |
| 51-6063  | Textile Knitting and Weaving Machine Setters, Operators, and Tenders                          | 65                 | 41   | -24                  | -36.9%  | 0                       | 1           | 1     | Long-term on-the-job training     |
| 51-6064  | Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders            | 58                 | 37   | -21                  | -36.2%  | 0                       | 1           | 1     | Moderate-term on-the-job training |
| 51-6093  | Upholsterers  | 37                 | 32   | -5                   | -13.5%  | 0                       | 1           | 1     | Long-term on-the-job training     |
| 51-7011  | Cabinetmakers and Bench Carpenters  | 153                | 128  | -25                  | -16.3%  | 0                       | 4           | 4     | Long-term on-the-job training     |
| 51-7021  | Furniture Finishers   | 34                 | 30   | -4                   | -11.8%  | 0                       | 1           | 1     | Long-term on-the-job training     |
| 51-7041  | Sawing Machine Setters, Operators, and Tenders, Wood  | 135                | 105  | -30                  | -22.2%  | 0                       | 4           | 4     | Moderate-term on-the-job training |
| 51-7042  | Woodworking Machine Setters, Operators, and Tenders, Except Sawing                            | 179                | 132  | -47                  | -26.3%  | 0                       | 5           | 5     | Moderate-term on-the-job training |
| 51-7099  | Woodworkers, All Other  | 51                 | 38   | -13                  | -25.5%  | 0                       | 2           | 2     | Moderate-term on-the-job training |
| 51-8012  | Power Distributors and Dispatchers  | 28                 | 26   | -2                   | -7.1%   | 0                       | 1           | 1     | Long-term on-the-job training     |
| 51-8013  | Power Plant Operators   | 44                 | 40   | -4                   | -9.1%   | 0                       | 1           | 1     | Long-term on-the-job training     |
| 51-8021  | Stationary Engineers and Boiler Operators   | 97                 | 78   | -19                  | -19.6%  | 0                       | 2           | 2     | Long-term on-the-job training     |
| 51-8031  | Water and Liquid Waste Treatment Plant and System Operators                                   | 108                | 108  | 0                    | 0.0%    | 0                       | 4           | 4     | Long-term on-the-job training     |
| 51-9011  | Chemical Equipment Operators and Tenders  | 77                 | 57   | -20                  | -26.0%  | 0                       | 3           | 3     | Moderate-term on-the-job training |
| 51-9012  | Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders | 59                 | 46   | -13                  | -22.0%  | 0                       | 2           | 2     | Moderate-term on-the-job training |
| 51-9021  | Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders                     | 54                 | 38   | -16                  | -29.6%  | 0                       | 1           | 1     | Moderate-term on-the-job training |
| 51-9022  | Grinding and Polishing Workers, Hand  | 17                 | 18   | 1                    | 5.9%    | 0                       | 0           | 0     | Moderate-term on-the-job training |
| 51-9023  | Mixing and Blending Machine Setters, Operators, and Tenders                                   | 92                 | 65   | -27                  | -29.3%  | 0                       | 2           | 2     | Moderate-term on-the-job training |
| 51-9031  | Cutters and Trimmers, Hand  | 11                 | 10   | -1                   | -9.1%   | 0                       | 0           | 0     | Short-term on-the-job training    |
| 51-9032  | Cutting and Slicing Machine Setters, Operators, and Tenders                                   | 153                | 119  | -34                  | -22.2%  | 0                       | 3           | 3     | Moderate-term on-the-job training |
| 51-9041  | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders          | 75                 | 58   | -17                  | -22.7%  | 0                       | 2           | 2     | Moderate-term on-the-job training |

**Employment and Job Openings for All Occupations in Northeastern 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      |   |
| 51-9051        | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders                          | 45                 | 32           | -13                  | -28.9%      | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 51-9061        | Inspectors, Testers, Sorters, Samplers, and Weighers                                  | 247                | 227          | -20                  | -8.1%       | 0                       | 6           | 6          | Moderate-term on-the-job training       |
| 51-9071        | Jewelers and Precious Stone and Metal Workers   | 27                 | 29           | 2                    | 7.4%        | 0                       | 1           | 1          | Postsecondary vocational award          |
| 51-9081        | Dental Laboratory Technicians   | 59                 | 56           | -3                   | -5.1%       | 0                       | 1           | 1          | Long-term on-the-job training           |
| 51-9082        | Medical Appliance Technicians   | 11                 | 12           | 1                    | 9.1%        | 0                       | 0           | 0          | Long-term on-the-job training           |
| 51-9083        | Ophthalmic Laboratory Technicians   | 19                 | 19           | 0                    | 0.0%        | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 51-9111        | Packaging and Filling Machine Operators and Tenders                                   | 195                | 184          | -11                  | -5.6%       | 0                       | 4           | 4          | Short-term on-the-job training          |
| 51-9121        | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders               | 176                | 133          | -43                  | -24.4%      | 0                       | 5           | 5          | Moderate-term on-the-job training       |
| 51-9122        | Painters, Transportation Equipment  | 50                 | 60           | 10                   | 20.0%       | 1                       | 1           | 2          | Moderate-term on-the-job training       |
| 51-9123        | Painting, Coating, and Decorating Workers   | 21                 | 22           | 1                    | 4.8%        | 0                       | 1           | 1          | Short-term on-the-job training          |
| 51-9131        | Photographic Process Workers  | 27                 | 24           | -3                   | -11.1%      | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 51-9132        | Photographic Processing Machine Operators   | 49                 | 43           | -6                   | -12.2%      | 0                       | 1           | 1          | Short-term on-the-job training          |
| 51-9191        | Cementing and Gluing Machine Operators and Tenders                                    | 11                 | 8            | -3                   | -27.3%      | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 51-9192        | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders                 | 13                 | 10           | -3                   | -23.1%      | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 51-9195        | Molders, Shapers, and Casters, Except Metal and Plastic                               | 21                 | 16           | -5                   | -23.8%      | 0                       | 1           | 1          | Moderate-term on-the-job training       |
| 51-9196        | Paper Goods Machine Setters, Operators, and Tenders                                   | 268                | 200          | -68                  | -25.4%      | 0                       | 6           | 6          | Moderate-term on-the-job training       |
| 51-9198        | Helpers--Production Workers   | 219                | 182          | -37                  | -16.9%      | 0                       | 6           | 6          | Short-term on-the-job training          |
| 51-9199        | Production Workers, All Other   | 534                | 406          | -128                 | -24.0%      | 0                       | 13          | 13         | Moderate-term on-the-job training       |
| <b>53-0000</b> | <b>Transportation and Material Moving Occupations</b>                                 | <b>8,171</b>       | <b>8,303</b> | <b>132</b>           | <b>1.6%</b> | <b>36</b>               | <b>177</b>  | <b>213</b> | <b>NA</b>                               |
| 53-1021        | First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand       | 88                 | 93           | 5                    | 5.7%        | 1                       | 2           | 3          | Work experience in a related occupation |
| 53-1031        | First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators | 182                | 189          | 7                    | 3.8%        | 1                       | 4           | 5          | Work experience in a related occupation |
| 53-2012        | Commercial Pilots   | 25                 | 19           | -6                   | -24.0%      | 0                       | 1           | 1          | Postsecondary vocational award          |
| 53-2021        | Air Traffic Controllers   | 56                 | 71           | 15                   | 26.8%       | 2                       | 1           | 3          | Long-term on-the-job training           |
| 53-3011        | Ambulance Drivers and Attendants, Except Emergency Medical Technicians                | 15                 | 15           | 0                    | 0.0%        | 0                       | 0           | 0          | Moderate-term on-the-job training       |
| 53-3021        | Bus Drivers, Transit and Intercity  | 73                 | 84           | 11                   | 15.1%       | 1                       | 2           | 3          | Moderate-term on-the-job training       |
| 53-3022        | Bus Drivers, School   | 566                | 627          | 61                   | 10.8%       | 6                       | 12          | 18         | Short-term on-the-job training          |
| 53-3031        | Driver/Sales Workers  | 261                | 247          | -14                  | -5.4%       | 0                       | 4           | 4          | Short-term on-the-job training          |
| 53-3032        | Truck Drivers, Heavy and Tractor-Trailer  | 2,385              | 2,480        | 95                   | 4.0%        | 10                      | 39          | 49         | Moderate-term on-the-job training       |
| 53-3033        | Truck Drivers, Light or Delivery Services   | 856                | 937          | 81                   | 9.5%        | 8                       | 8           | 16         | Short-term on-the-job training          |
| 53-3041        | Taxi Drivers and Chauffeurs   | 88                 | 102          | 14                   | 15.9%       | 1                       | 1           | 2          | Short-term on-the-job training          |
| 53-3099        | Motor Vehicle Operators, All Other  | 84                 | 99           | 15                   | 17.9%       | 2                       | 1           | 3          | Short-term on-the-job training          |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 53-4011  | Locomotive Engineers                                   | 38                 | 40    | 2                    | 5.3%    | 0                       | 1           | 1     | Work experience in a related occupation |
| 53-4031  | Railroad Conductors and Yardmasters                    | 52                 | 56    | 4                    | 7.7%    | 0                       | 1           | 1     | Work experience in a related occupation |
| 53-5011  | Sailors and Marine Oilers                              | 31                 | 37    | 6                    | 19.4%   | 1                       | 1           | 2     | Short-term on-the-job training          |
| 53-5021  | Captains, Mates, and Pilots of Water Vessels           | 32                 | 37    | 5                    | 15.6%   | 1                       | 1           | 2     | Work experience in a related occupation |
| 53-6021  | Parking Lot Attendants                                 | 13                 | 13    | 0                    | 0.0%    | 0                       | 0           | 0     | Short-term on-the-job training          |
| 53-6031  | Service Station Attendants                             | 246                | 253   | 7                    | 2.8%    | 1                       | 11          | 12    | Short-term on-the-job training          |
| 53-6099  | Transportation Workers, All Other                      | 42                 | 45    | 3                    | 7.1%    | 0                       | 1           | 1     | Short-term on-the-job training          |
| 53-7011  | Conveyor Operators and Tenders                         | 54                 | 43    | -11                  | -20.4%  | 0                       | 2           | 2     | Short-term on-the-job training          |
| 53-7021  | Crane and Tower Operators                              | 28                 | 25    | -3                   | -10.7%  | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 53-7032  | Excavating and Loading Machine and Dragline Operators  | 160                | 156   | -4                   | -2.5%   | 0                       | 4           | 4     | Moderate-term on-the-job training       |
| 53-7051  | Industrial Truck and Tractor Operators                 | 414                | 387   | -27                  | -6.5%   | 0                       | 8           | 8     | Short-term on-the-job training          |
| 53-7061  | Cleaners of Vehicles and Equipment                     | 202                | 216   | 14                   | 6.9%    | 1                       | 7           | 8     | Short-term on-the-job training          |
| 53-7062  | Laborers and Freight, Stock, and Material Movers, Hand | 1,376              | 1,232 | -144                 | -10.5%  | 0                       | 45          | 45    | Short-term on-the-job training          |
| 53-7063  | Machine Feeders and Offbearers                         | 108                | 91    | -17                  | -15.7%  | 0                       | 3           | 3     | Short-term on-the-job training          |
| 53-7064  | Packers and Packagers, Hand                            | 495                | 504   | 9                    | 1.8%    | 1                       | 9           | 10    | Short-term on-the-job training          |
| 53-7081  | Refuse and Recyclable Material Collectors              | 108                | 109   | 1                    | 0.9%    | 0                       | 3           | 3     | Short-term on-the-job training          |
| 53-7199  | Material Moving Workers, All Other                     | 10                 | 9     | -1                   | -10.0%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |

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

**Employment and Job Openings for All Occupations in Northeastern 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   | 478                | 522  | 44                   | 9.2%    | 4                       | 9           | 13    | Bachelor's degree                       |
| 27-2011  | Actors   | 14                 | 14   | 0                    | 0.0%    | 0                       | 0           | 0     | Long-term on-the-job training           |
| 23-1021  | Administrative Law Judges, Adjudicators, and Hearing Officers          | 12                 | 8    | -4                   | -33.3%  | 0                       | 0           | 0     | Bachelor's degree plus work experience  |
| 11-3011  | Administrative Services Managers                                       | 167                | 172  | 5                    | 3.0%    | 1                       | 3           | 4     | Bachelor's degree plus work experience  |
| 25-3011  | Adult Literacy, Remedial Education, and GED Teachers and Instructors   | 31                 | 35   | 4                    | 12.9%   | 0                       | 0           | 0     | Bachelor's degree                       |
| 11-2011  | Advertising and Promotions Managers                                    | 74                 | 84   | 10                   | 13.5%   | 1                       | 1           | 2     | Bachelor's degree plus work experience  |
| 41-3011  | Advertising Sales Agents   | 141                | 151  | 10                   | 7.1%    | 1                       | 3           | 4     | Moderate-term on-the-job training       |
| 19-4011  | Agricultural and Food Science Technicians                              | 14                 | 14   | 0                    | 0.0%    | 0                       | 0           | 0     | Associate degree                        |
| 19-1010  | Agricultural and Food Scientists                                       | 47                 | 52   | 5                    | 10.6%   | 1                       | 1           | 2     | Bachelor's degree                       |
| 45-2091  | Agricultural Equipment Operators                                       | 13                 | 13   | 0                    | 0.0%    | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 45-2011  | Agricultural Inspectors  | 10                 | 10   | 0                    | 0.0%    | 0                       | 0           | 0     | Work experience in a related occupation |
| 53-2021  | Air Traffic Controllers  | 56                 | 71   | 15                   | 26.8%   | 2                       | 1           | 3     | Long-term on-the-job training           |
| 49-3011  | Aircraft Mechanics and Service Technicians                             | 154                | 163  | 9                    | 5.8%    | 1                       | 4           | 5     | Postsecondary vocational award          |
| 53-3011  | Ambulance Drivers and Attendants, Except Emergency Medical Technicians | 15                 | 15   | 0                    | 0.0%    | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 39-3091  | Amusement and Recreation Attendants                                    | 115                | 148  | 33                   | 28.7%   | 3                       | 3           | 6     | Short-term on-the-job training          |
| 29-1061  | Anesthesiologists  | 20                 | 23   | 3                    | 15.0%   | 0                       | 0           | 0     | First Professional degree               |
| 33-9011  | Animal Control Workers   | 12                 | 14   | 2                    | 16.7%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 27-3010  | Announcers   | 116                | 96   | -20                  | -17.2%  | 0                       | 3           | 3     | Long-term on-the-job training           |
| 25-1061  | Anthropology and Archeology Teachers, Postsecondary                    | 10                 | 12   | 2                    | 20.0%   | 0                       | 0           | 0     | Doctoral degree                         |
| 13-2021  | Appraisers and Assessors of Real Estate                                | 61                 | 65   | 4                    | 6.6%    | 0                       | 1           | 1     | Postsecondary vocational award          |
| 17-1011  | Architects, Except Landscape and Naval                                 | 75                 | 81   | 6                    | 8.0%    | 1                       | 1           | 2     | Bachelor's degree                       |
| 17-3011  | Architectural and Civil Drafters                                       | 88                 | 81   | -7                   | -8.0%   | 0                       | 3           | 3     | Postsecondary vocational award          |
| 25-4010  | Archivists, Curators, and Museum Technicians                           | 42                 | 49   | 7                    | 16.7%   | 1                       | 1           | 2     | Master's degree                         |
| 25-1062  | Area, Ethnic, and Cultural Studies Teachers, Postsecondary             | 15                 | 18   | 3                    | 20.0%   | 0                       | 0           | 0     | Doctoral degree                         |
| 27-1099  | Art and Design Workers, All Other                                      | 35                 | 38   | 3                    | 8.6%    | 0                       | 1           | 1     | Bachelor's degree                       |
| 25-1121  | Art, Drama, and Music Teachers, Postsecondary                          | 69                 | 88   | 19                   | 27.5%   | 2                       | 2           | 4     | Master's degree                         |
| 51-2099  | Assemblers and Fabricators, All Other                                  | 112                | 99   | -13                  | -11.6%  | 0                       | 3           | 3     | Moderate-term on-the-job training       |
| 27-2021  | Athletes and Sports Competitors  | 19                 | 22   | 3                    | 15.8%   | 0                       | 0           | 0     | Long-term on-the-job training           |
| 29-9091  | Athletic Trainers  | 10                 | 12   | 2                    | 20.0%   | 0                       | 0           | 0     | Bachelor's degree                       |
| 25-1051  | Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary | 41                 | 51   | 10                   | 24.4%   | 1                       | 1           | 2     | Doctoral degree                         |
| 27-4011  | Audio and Video Equipment Technicians                                  | 10                 | 11   | 1                    | 10.0%   | 0                       | 0           | 0     | Long-term on-the-job training           |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 49-3021  | Automotive Body and Related Repairers                            | 188                | 212   | 24                   | 12.8%   | 2                       | 4           | 6     | Long-term on-the-job training           |
| 49-3022  | Automotive Glass Installers and Repairers                        | 17                 | 19    | 2                    | 11.8%   | 0                       | 0           | 0     | Long-term on-the-job training           |
| 49-3023  | Automotive Service Technicians and Mechanics                     | 997                | 1,110 | 113                  | 11.3%   | 11                      | 27          | 38    | Postsecondary vocational award          |
| 49-2091  | Avionics Technicians   | 10                 | 13    | 3                    | 30.0%   | 0                       | 0           | 0     | Postsecondary vocational award          |
| 39-6011  | Baggage Porters and Bellhops                                     | 33                 | 33    | 0                    | 0.0%    | 0                       | 1           | 1     | Short-term on-the-job training          |
| 51-3011  | Bakers   | 132                | 145   | 13                   | 9.8%    | 1                       | 3           | 4     | Long-term on-the-job training           |
| 39-5011  | Barbers  | 40                 | 40    | 0                    | 0.0%    | 0                       | 1           | 1     | Postsecondary vocational award          |
| 35-3011  | Bartenders   | 456                | 449   | -7                   | -1.5%   | 0                       | 18          | 18    | Short-term on-the-job training          |
| 49-3091  | Bicycle Repairers  | 16                 | 17    | 1                    | 6.3%    | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 43-3011  | Bill and Account Collectors                                      | 269                | 303   | 34                   | 12.6%   | 3                       | 5           | 8     | Short-term on-the-job training          |
| 43-3021  | Billing and Posting Clerks and Machine Operators                 | 427                | 440   | 13                   | 3.0%    | 1                       | 7           | 8     | Moderate-term on-the-job training       |
| 51-5011  | Bindery Workers  | 44                 | 37    | -7                   | -15.9%  | 0                       | 1           | 1     | Short-term on-the-job training          |
| 25-1042  | Biological Science Teachers, Postsecondary                       | 66                 | 81    | 15                   | 22.7%   | 2                       | 2           | 4     | Doctoral degree                         |
| 19-4021  | Biological Technicians   | 218                | 308   | 90                   | 41.3%   | 9                       | 4           | 13    | Associate degree                        |
| 47-2011  | Boilermakers   | 29                 | 22    | -7                   | -24.1%  | 0                       | 1           | 1     | Long-term on-the-job training           |
| 43-3031  | Bookkeeping, Accounting, and Auditing Clerks                     | 1,547              | 1,487 | -60                  | -3.9%   | 0                       | 29          | 29    | Moderate-term on-the-job training       |
| 47-2021  | Brickmasons and Blockmasons                                      | 82                 | 79    | -3                   | -3.7%   | 0                       | 1           | 1     | Long-term on-the-job training           |
| 27-4012  | Broadcast Technicians  | 50                 | 51    | 1                    | 2.0%    | 0                       | 1           | 1     | Associate degree                        |
| 43-4011  | Brokerage Clerks   | 14                 | 10    | -4                   | -28.6%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 13-2031  | Budget Analysts  | 34                 | 36    | 2                    | 5.9%    | 0                       | 1           | 1     | Bachelor's degree                       |
| 37-9099  | Building and Grounds Cleaning and Maintenance Workers, All Other | 25                 | 27    | 2                    | 8.0%    | 0                       | 1           | 1     | Short-term on-the-job training          |
| 49-3031  | Bus and Truck Mechanics and Diesel Engine Specialists            | 297                | 329   | 32                   | 10.8%   | 3                       | 8           | 11    | Postsecondary vocational award          |
| 53-3022  | Bus Drivers, School  | 566                | 627   | 61                   | 10.8%   | 6                       | 12          | 18    | Short-term on-the-job training          |
| 53-3021  | Bus Drivers, Transit and Intercity                               | 73                 | 84    | 11                   | 15.1%   | 1                       | 2           | 3     | Moderate-term on-the-job training       |
| 13-1199  | Business Operations Specialists, All Other                       | 507                | 629   | 122                  | 24.1%   | 12                      | 9           | 21    | Bachelor's degree                       |
| 25-1011  | Business Teachers, Postsecondary                                 | 99                 | 121   | 22                   | 22.2%   | 2                       | 2           | 4     | Master's degree                         |
| 51-3021  | Butchers and Meat Cutters  | 124                | 116   | -8                   | -6.5%   | 0                       | 3           | 3     | Long-term on-the-job training           |
| 51-7011  | Cabinetmakers and Bench Carpenters                               | 153                | 128   | -25                  | -16.3%  | 0                       | 4           | 4     | Long-term on-the-job training           |
| 27-4031  | Camera Operators, Television, Video, and Motion Picture          | 24                 | 24    | 0                    | 0.0%    | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 53-5021  | Captains, Mates, and Pilots of Water Vessels                     | 32                 | 37    | 5                    | 15.6%   | 1                       | 1           | 2     | Work experience in a related occupation |
| 29-2031  | Cardiovascular Technologists and Technicians                     | 40                 | 55    | 15                   | 37.5%   | 2                       | 1           | 3     | Associate degree                        |



**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 43-5011  | Cargo and Freight Agents  | 28                 | 26    | -2                   | -7.1%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 47-2031  | Carpenters  | 1,563              | 1,540 | -23                  | -1.5%   | 0                       | 25          | 25    | Long-term on-the-job training           |
| 47-2041  | Carpet Installers   | 25                 | 25    | 0                    | 0.0%    | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 17-1021  | Cartographers and Photogrammetrists                                     | 15                 | 15    | 0                    | 0.0%    | 0                       | 1           | 1     | Bachelor's degree                       |
| 41-2011  | Cashiers  | 3,262              | 3,514 | 252                  | 7.7%    | 25                      | 159         | 184   | Short-term on-the-job training          |
| 47-2051  | Cement Masons and Concrete Finishers                                    | 112                | 116   | 4                    | 3.6%    | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 51-9191  | Cementing and Gluing Machine Operators and Tenders                      | 11                 | 8     | -3                   | -27.3%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 35-1011  | Chefs and Head Cooks  | 172                | 187   | 15                   | 8.7%    | 2                       | 5           | 7     | Work experience in a related occupation |
| 17-2041  | Chemical Engineers  | 33                 | 27    | -6                   | -18.2%  | 0                       | 1           | 1     | Bachelor's degree                       |
| 51-9011  | Chemical Equipment Operators and Tenders                                | 77                 | 57    | -20                  | -26.0%  | 0                       | 3           | 3     | Moderate-term on-the-job training       |
| 19-4031  | Chemical Technicians  | 24                 | 26    | 2                    | 8.3%    | 0                       | 1           | 1     | Associate degree                        |
| 25-1052  | Chemistry Teachers, Postsecondary                                       | 27                 | 34    | 7                    | 25.9%   | 1                       | 1           | 2     | Doctoral degree                         |
| 19-2031  | Chemists  | 20                 | 17    | -3                   | -15.0%  | 0                       | 1           | 1     | Bachelor's degree                       |
| 11-1011  | Chief Executives  | 360                | 391   | 31                   | 8.6%    | 3                       | 7           | 10    | Bachelor's degree plus work experience  |
| 39-9011  | Child Care Workers  | 1,179              | 1,288 | 109                  | 9.2%    | 11                      | 32          | 43    | Short-term on-the-job training          |
| 21-1021  | Child, Family, and School Social Workers                                | 353                | 434   | 81                   | 22.9%   | 8                       | 6           | 14    | Bachelor's degree                       |
| 29-1011  | Chiropractors   | 46                 | 56    | 10                   | 21.7%   | 1                       | 1           | 2     | First Professional degree               |
| 17-3022  | Civil Engineering Technicians   | 60                 | 53    | -7                   | -11.7%  | 0                       | 1           | 1     | Associate degree                        |
| 17-2051  | Civil Engineers   | 171                | 160   | -11                  | -6.4%   | 0                       | 3           | 3     | Bachelor's degree                       |
| 53-7061  | Cleaners of Vehicles and Equipment                                      | 202                | 216   | 14                   | 6.9%    | 1                       | 7           | 8     | Short-term on-the-job training          |
| 51-9192  | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders   | 13                 | 10    | -3                   | -23.1%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 21-2011  | Clergy  | 376                | 411   | 35                   | 9.3%    | 4                       | 8           | 12    | First Professional degree               |
| 19-3031  | Clinical, Counseling, and School Psychologists                          | 156                | 195   | 39                   | 25.0%   | 4                       | 3           | 7     | Doctoral degree                         |
| 27-2022  | Coaches and Scouts  | 188                | 207   | 19                   | 10.1%   | 2                       | 4           | 6     | Long-term on-the-job training           |
| 51-9121  | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders | 176                | 133   | -43                  | -24.4%  | 0                       | 5           | 5     | Moderate-term on-the-job training       |
| 51-2021  | Coil Winders, Tapers, and Finishers                                     | 23                 | 19    | -4                   | -17.4%  | 0                       | 1           | 1     | Short-term on-the-job training          |
| 49-9091  | Coin, Vending, and Amusement Machine Servicers and Repairers            | 24                 | 24    | 0                    | 0.0%    | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 35-3021  | Combined Food Preparation and Serving Workers, Including Fast Food      | 1,803              | 2,076 | 273                  | 15.1%   | 27                      | 78          | 105   | Short-term on-the-job training          |
| 27-1021  | Commercial and Industrial Designers                                     | 16                 | 16    | 0                    | 0.0%    | 0                       | 0           | 0     | Bachelor's degree                       |
| 53-2012  | Commercial Pilots   | 25                 | 19    | -6                   | -24.0%  | 0                       | 1           | 1     | Postsecondary vocational award          |
| 25-1122  | Communications Teachers, Postsecondary                                  | 18                 | 22    | 4                    | 22.2%   | 0                       | 0           | 0     | Doctoral degree                         |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 13-1072  | Compensation, Benefits, and Job Analysis Specialists                                    | 56                 | 57   | 1                    | 1.8%    | 0                       | 1           | 1     | Bachelor's degree                       |
| 13-1041  | Compliance Officers, Except Agriculture, Construction, Health & Safety & Transportation | 101                | 109  | 8                    | 7.9%    | 1                       | 2           | 3     | Long-term on-the-job training           |
| 15-1011  | Computer and Information Scientists, Research   | 10                 | 14   | 4                    | 40.0%   | 0                       | 0           | 0     | Doctoral degree                         |
| 11-3021  | Computer and Information Systems Managers   | 176                | 196  | 20                   | 11.4%   | 2                       | 3           | 5     | Bachelor's degree plus work experience  |
| 43-9011  | Computer Operators  | 99                 | 66   | -33                  | -33.3%  | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 15-1021  | Computer Programmers  | 133                | 111  | -22                  | -16.5%  | 0                       | 3           | 3     | Bachelor's degree                       |
| 25-1021  | Computer Science Teachers, Postsecondary  | 40                 | 46   | 6                    | 15.0%   | 1                       | 1           | 2     | Master's degree                         |
| 15-1031  | Computer Software Engineers, Applications   | 204                | 231  | 27                   | 13.2%   | 3                       | 2           | 5     | Bachelor's degree                       |
| 15-1032  | Computer Software Engineers, Systems Software   | 41                 | 49   | 8                    | 19.5%   | 1                       | 0           | 1     | Bachelor's degree                       |
| 15-1099  | Computer Specialists, All Other   | 40                 | 47   | 7                    | 17.5%   | 1                       | 1           | 2     | Associate degree                        |
| 15-1041  | Computer Support Specialists  | 282                | 289  | 7                    | 2.5%    | 1                       | 4           | 5     | Associate degree                        |
| 15-1051  | Computer Systems Analysts   | 174                | 190  | 16                   | 9.2%    | 2                       | 2           | 4     | Bachelor's degree                       |
| 49-2011  | Computer, Automated Teller, and Office Machine Repairers                                | 101                | 106  | 5                    | 5.0%    | 1                       | 1           | 2     | Postsecondary vocational award          |
| 51-4011  | Computer-Controlled Machine Tool Operators, Metal and Plastic                           | 185                | 182  | -3                   | -1.6%   | 0                       | 3           | 3     | Moderate-term on-the-job training       |
| 19-1031  | Conservation Scientists   | 50                 | 51   | 1                    | 2.0%    | 0                       | 2           | 2     | Bachelor's degree                       |
| 47-4011  | Construction and Building Inspectors  | 21                 | 22   | 1                    | 4.8%    | 0                       | 1           | 1     | Work experience in a related occupation |
| 47-2061  | Construction Laborers   | 617                | 614  | -3                   | -0.5%   | 0                       | 8           | 8     | Moderate-term on-the-job training       |
| 11-9021  | Construction Managers   | 254                | 255  | 1                    | 0.4%    | 0                       | 5           | 5     | Bachelor's degree                       |
| 47-4999  | Construction Trades and Related Workers, All Other                                      | 36                 | 40   | 4                    | 11.1%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 49-9012  | Control and Valve Installers and Repairers, Except Mechanical Door                      | 39                 | 43   | 4                    | 10.3%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 53-7011  | Conveyor Operators and Tenders  | 54                 | 43   | -11                  | -20.4%  | 0                       | 2           | 2     | Short-term on-the-job training          |
| 35-2011  | Cooks, Fast Food  | 344                | 341  | -3                   | -0.9%   | 0                       | 11          | 11    | Short-term on-the-job training          |
| 35-2012  | Cooks, Institution and Cafeteria  | 402                | 375  | -27                  | -6.7%   | 0                       | 12          | 12    | Moderate-term on-the-job training       |
| 35-2014  | Cooks, Restaurant   | 697                | 748  | 51                   | 7.3%    | 5                       | 22          | 27    | Long-term on-the-job training           |
| 35-2015  | Cooks, Short Order  | 309                | 315  | 6                    | 1.9%    | 1                       | 10          | 11    | Short-term on-the-job training          |
| 33-3012  | Correctional Officers and Jailers   | 194                | 209  | 15                   | 7.7%    | 2                       | 4           | 6     | Moderate-term on-the-job training       |
| 43-4021  | Correspondence Clerks   | 13                 | 11   | -2                   | -15.4%  | 0                       | 0           | 0     | Short-term on-the-job training          |
| 13-1051  | Cost Estimators   | 90                 | 96   | 6                    | 6.7%    | 1                       | 2           | 3     | Work experience in a related occupation |
| 21-9099  | Counselors, Social, and Religious Workers, All Other                                    | 156                | 214  | 58                   | 37.2%   | 6                       | 3           | 9     | Bachelor's degree                       |
| 41-2021  | Counter and Rental Clerks   | 275                | 321  | 46                   | 16.7%   | 5                       | 11          | 16    | Short-term on-the-job training          |
| 35-3022  | Counter Attendants, Cafeteria, Food Concession, and Coffee Shop                         | 321                | 357  | 36                   | 11.2%   | 4                       | 21          | 25    | Short-term on-the-job training          |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 43-5021  | Couriers and Messengers   | 50                 | 47    | -3                   | -6.0%   | 0                       | 1           | 1     | Short-term on-the-job training          |
| 23-2091  | Court Reporters   | 10                 | 11    | 1                    | 10.0%   | 0                       | 0           | 0     | Postsecondary vocational award          |
| 43-4031  | Court, Municipal, and License Clerks  | 115                | 118   | 3                    | 2.6%    | 0                       | 3           | 3     | Short-term on-the-job training          |
| 53-7021  | Crane and Tower Operators   | 28                 | 25    | -3                   | -10.7%  | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 43-4041  | Credit Authorizers, Checkers, and Clerks  | 12                 | 12    | 0                    | 0.0%    | 0                       | 0           | 0     | Short-term on-the-job training          |
| 25-1111  | Criminal Justice and Law Enforcement Teachers, Postsecondary                            | 10                 | 13    | 3                    | 30.0%   | 0                       | 0           | 0     | Doctoral degree                         |
| 33-9091  | Crossing Guards   | 75                 | 89    | 14                   | 18.7%   | 1                       | 2           | 3     | Short-term on-the-job training          |
| 51-9021  | Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders               | 54                 | 38    | -16                  | -29.6%  | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 43-4051  | Customer Service Representatives  | 993                | 1,036 | 43                   | 4.3%    | 4                       | 15          | 19    | Moderate-term on-the-job training       |
| 51-9031  | Cutters and Trimmers, Hand  | 11                 | 10    | -1                   | -9.1%   | 0                       | 0           | 0     | Short-term on-the-job training          |
| 51-9032  | Cutting and Slicing Machine Setters, Operators, and Tenders                             | 153                | 119   | -34                  | -22.2%  | 0                       | 3           | 3     | Moderate-term on-the-job training       |
| 51-4031  | Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic | 65                 | 56    | -9                   | -13.8%  | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 43-9021  | Data Entry Keyers   | 147                | 111   | -36                  | -24.5%  | 0                       | 4           | 4     | Moderate-term on-the-job training       |
| 15-1061  | Database Administrators   | 35                 | 43    | 8                    | 22.9%   | 1                       | 0           | 1     | Bachelor's degree                       |
| 41-9011  | Demonstrators and Product Promoters   | 41                 | 50    | 9                    | 22.0%   | 1                       | 1           | 2     | Moderate-term on-the-job training       |
| 31-9091  | Dental Assistants   | 163                | 202   | 39                   | 23.9%   | 4                       | 5           | 9     | Moderate-term on-the-job training       |
| 29-2021  | Dental Hygienists   | 166                | 207   | 41                   | 24.7%   | 4                       | 1           | 5     | Associate degree                        |
| 51-9081  | Dental Laboratory Technicians   | 59                 | 56    | -3                   | -5.1%   | 0                       | 1           | 1     | Long-term on-the-job training           |
| 29-1020  | Dentists  | 102                | 97    | -5                   | -4.9%   | 0                       | 2           | 2     | First Professional degree               |
| 43-9031  | Desktop Publishers  | 19                 | 22    | 3                    | 15.8%   | 0                       | 0           | 0     | Postsecondary vocational award          |
| 33-3021  | Detectives and Criminal Investigators   | 53                 | 65    | 12                   | 22.6%   | 1                       | 1           | 2     | Work experience in a related occupation |
| 29-2032  | Diagnostic Medical Sonographers   | 31                 | 37    | 6                    | 19.4%   | 1                       | 1           | 2     | Associate degree                        |
| 29-2051  | Dietetic Technicians  | 34                 | 42    | 8                    | 23.5%   | 1                       | 0           | 1     | Moderate-term on-the-job training       |
| 29-1031  | Dietitians and Nutritionists  | 52                 | 59    | 7                    | 13.5%   | 1                       | 1           | 2     | Bachelor's degree                       |
| 35-9011  | Dining Room and Cafeteria Attendants and Bartender Helpers                              | 268                | 289   | 21                   | 7.8%    | 2                       | 9           | 11    | Short-term on-the-job training          |
| 21-2021  | Directors, Religious Activities and Education   | 40                 | 47    | 7                    | 17.5%   | 1                       | 0           | 1     | Bachelor's degree                       |
| 35-9021  | Dishwashers   | 602                | 597   | -5                   | -0.8%   | 0                       | 20          | 20    | Short-term on-the-job training          |
| 43-5032  | Dispatchers, Except Police, Fire, and Ambulance   | 141                | 142   | 1                    | 0.7%    | 0                       | 3           | 3     | Moderate-term on-the-job training       |
| 41-9091  | Door-To-Door Sales Workers, News and Street Vendors, and Related Workers                | 130                | 147   | 17                   | 13.1%   | 2                       | 3           | 5     | Short-term on-the-job training          |
| 17-3099  | Drafters, Engineering, and Mapping Technicians, All Other                               | 53                 | 50    | -3                   | -5.7%   | 0                       | 1           | 1     | Associate degree                        |
| 51-4032  | Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic     | 31                 | 28    | -3                   | -9.7%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |

**Employment and Job Openings for All Occupations in Northeastern 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 |  |
| 53-3031  | Driver/Sales Workers  | 261                | 247   | -14                  | -5.4%   | 0                       | 4           | 4     | Short-term on-the-job training         |
| 47-2081  | Drywall and Ceiling Tile Installers   | 72                 | 74    | 2                    | 2.8%    | 0                       | 2           | 2     | Moderate-term on-the-job training      |
| 47-5021  | Earth Drillers, Except Oil and Gas  | 26                 | 25    | -1                   | -3.8%   | 0                       | 1           | 1     | Moderate-term on-the-job training      |
| 25-1063  | Economics Teachers, Postsecondary   | 20                 | 25    | 5                    | 25.0%   | 1                       | 1           | 2     | Doctoral degree                        |
| 19-3011  | Economists  | 10                 | 10    | 0                    | 0.0%    | 0                       | 0           | 0     | Master's degree                        |
| 27-3041  | Editors   | 106                | 114   | 8                    | 7.5%    | 1                       | 3           | 4     | Bachelor's degree                      |
| 11-9039  | Education Administrators, All Other   | 26                 | 29    | 3                    | 11.5%   | 0                       | 1           | 1     | Bachelor's degree plus work experience |
| 11-9032  | Education Administrators, Elementary and Secondary School                     | 216                | 223   | 7                    | 3.2%    | 1                       | 5           | 6     | Bachelor's degree plus work experience |
| 11-9033  | Education Administrators, Postsecondary                                       | 167                | 189   | 22                   | 13.2%   | 2                       | 4           | 6     | Bachelor's degree plus work experience |
| 11-9031  | Education Administrators, Preschool and Child Care Center/Program             | 26                 | 29    | 3                    | 11.5%   | 0                       | 1           | 1     | Bachelor's degree plus work experience |
| 25-1081  | Education Teachers, Postsecondary   | 117                | 146   | 29                   | 24.8%   | 3                       | 3           | 6     | Doctoral degree                        |
| 21-1012  | Educational, Vocational, and School Counselors                                | 216                | 207   | -9                   | -4.2%   | 0                       | 5           | 5     | Master's degree                        |
| 49-2092  | Electric Motor, Power Tool, and Related Repairers                             | 53                 | 44    | -9                   | -17.0%  | 0                       | 1           | 1     | Postsecondary vocational award         |
| 17-3023  | Electrical and Electronic Engineering Technicians                             | 55                 | 54    | -1                   | -1.8%   | 0                       | 1           | 1     | Associate degree                       |
| 51-2022  | Electrical and Electronic Equipment Assemblers                                | 48                 | 43    | -5                   | -10.4%  | 0                       | 1           | 1     | Short-term on-the-job training         |
| 49-2093  | Electrical and Electronics Installers and Repairers, Transportation Equipment | 38                 | 43    | 5                    | 13.2%   | 1                       | 1           | 2     | Postsecondary vocational award         |
| 49-2094  | Electrical and Electronics Repairers, Commercial and Industrial Equipment     | 115                | 88    | -27                  | -23.5%  | 0                       | 3           | 3     | Postsecondary vocational award         |
| 49-2095  | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay       | 15                 | 14    | -1                   | -6.7%   | 0                       | 0           | 0     | Postsecondary vocational award         |
| 17-2071  | Electrical Engineers  | 45                 | 39    | -6                   | -13.3%  | 0                       | 1           | 1     | Bachelor's degree                      |
| 49-9051  | Electrical Power-Line Installers and Repairers                                | 132                | 131   | -1                   | -0.8%   | 0                       | 4           | 4     | Long-term on-the-job training          |
| 47-2111  | Electricians  | 603                | 581   | -22                  | -3.6%   | 0                       | 12          | 12    | Long-term on-the-job training          |
| 51-2023  | Electromechanical Equipment Assemblers  | 27                 | 24    | -3                   | -11.1%  | 0                       | 1           | 1     | Short-term on-the-job training         |
| 49-2097  | Electronic Home Entertainment Equipment Installers and Repairers              | 24                 | 26    | 2                    | 8.3%    | 0                       | 1           | 1     | Postsecondary vocational award         |
| 17-2072  | Electronics Engineers, Except Computer  | 29                 | 28    | -1                   | -3.4%   | 0                       | 1           | 1     | Bachelor's degree                      |
| 25-2021  | Elementary School Teachers, Except Special Education                          | 1,042              | 1,005 | -37                  | -3.6%   | 0                       | 23          | 23    | Bachelor's degree                      |
| 47-4021  | Elevator Installers and Repairers   | 50                 | 45    | -5                   | -10.0%  | 0                       | 1           | 1     | Long-term on-the-job training          |
| 43-4061  | Eligibility Interviewers, Government Programs                                 | 67                 | 51    | -16                  | -23.9%  | 0                       | 2           | 2     | Moderate-term on-the-job training      |
| 29-2041  | Emergency Medical Technicians and Paramedics                                  | 296                | 342   | 46                   | 15.5%   | 5                       | 3           | 8     | Postsecondary vocational award         |
| 13-1071  | Employment, Recruitment, and Placement Specialists                            | 77                 | 76    | -1                   | -1.3%   | 0                       | 1           | 1     | Bachelor's degree                      |
| 11-9041  | Engineering Managers  | 88                 | 83    | -5                   | -5.7%   | 0                       | 2           | 2     | Bachelor's degree plus work experience |
| 25-1032  | Engineering Teachers, Postsecondary   | 45                 | 55    | 10                   | 22.2%   | 1                       | 1           | 2     | Doctoral degree                        |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 17-2199  | Engineers, All Other   | 61                 | 52   | -9                   | -14.8%  | 0                       | 1           | 1     | Bachelor's degree                       |
| 25-1123  | English Language and Literature Teachers, Postsecondary                              | 105                | 129  | 24                   | 22.9%   | 2                       | 2           | 4     | Master's degree                         |
| 27-2099  | Entertainers and Performers, Sports and Related Workers, All Other                   | 10                 | 11   | 1                    | 10.0%   | 0                       | 0           | 0     | Long-term on-the-job training           |
| 17-2081  | Environmental Engineers  | 28                 | 35   | 7                    | 25.0%   | 1                       | 1           | 2     | Bachelor's degree                       |
| 19-4091  | Environmental Science and Protection Technicians, Including Health                   | 34                 | 41   | 7                    | 20.6%   | 1                       | 1           | 2     | Associate degree                        |
| 19-2041  | Environmental Scientists and Specialists, Including Health                           | 69                 | 72   | 3                    | 4.3%    | 0                       | 1           | 1     | Master's degree                         |
| 53-7032  | Excavating and Loading Machine and Dragline Operators                                | 160                | 156  | -4                   | -2.5%   | 0                       | 4           | 4     | Moderate-term on-the-job training       |
| 43-6011  | Executive Secretaries and Administrative Assistants                                  | 908                | 915  | 7                    | 0.8%    | 1                       | 17          | 18    | Moderate-term on-the-job training       |
| 51-9041  | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders | 75                 | 58   | -17                  | -22.7%  | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 45-4021  | Fallers  | 316                | 304  | -12                  | -3.8%   | 0                       | 6           | 6     | Moderate-term on-the-job training       |
| 29-1062  | Family and General Practitioners   | 161                | 184  | 23                   | 14.3%   | 2                       | 2           | 4     | First Professional degree               |
| 25-9021  | Farm and Home Management Advisors  | 28                 | 27   | -1                   | -3.6%   | 0                       | 0           | 0     | Bachelor's degree                       |
| 49-3041  | Farm Equipment Mechanics   | 17                 | 18   | 1                    | 5.9%    | 0                       | 0           | 0     | Postsecondary vocational award          |
| 11-9011  | Farm, Ranch, and Other Agricultural Managers   | 55                 | 68   | 13                   | 23.6%   | 1                       | 1           | 2     | Bachelor's degree plus work experience  |
| 11-9012  | Farmers and Ranchers   | 238                | 229  | -9                   | -3.8%   | 0                       | 1           | 1     | Long-term on-the-job training           |
| 45-2092  | Farmworkers and Laborers, Crop, Nursery, and Greenhouse                              | 157                | 176  | 19                   | 12.1%   | 2                       | 4           | 6     | Short-term on-the-job training          |
| 45-2093  | Farmworkers, Farm and Ranch Animals  | 56                 | 80   | 24                   | 42.9%   | 2                       | 2           | 4     | Short-term on-the-job training          |
| 47-4031  | Fence Erectors   | 22                 | 16   | -6                   | -27.3%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 51-2091  | Fiberglass Laminators and Fabricators  | 62                 | 48   | -14                  | -22.6%  | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 43-4071  | File Clerks  | 107                | 101  | -6                   | -5.6%   | 0                       | 3           | 3     | Short-term on-the-job training          |
| 27-4032  | Film and Video Editors   | 29                 | 31   | 2                    | 6.9%    | 0                       | 1           | 1     | Bachelor's degree                       |
| 13-2051  | Financial Analysts   | 39                 | 44   | 5                    | 12.8%   | 1                       | 1           | 2     | Bachelor's degree                       |
| 11-3031  | Financial Managers   | 388                | 426  | 38                   | 9.8%    | 4                       | 6           | 10    | Bachelor's degree plus work experience  |
| 13-2099  | Financial Specialists, All Other   | 72                 | 77   | 5                    | 6.9%    | 1                       | 1           | 2     | Bachelor's degree                       |
| 43-4999  | Financial, Information, and Record Clerks, All Other                                 | 181                | 183  | 2                    | 1.1%    | 0                       | 3           | 3     | Short-term on-the-job training          |
| 27-1013  | Fine Artists, Including Painters, Sculptors, and Illustrators                        | 83                 | 87   | 4                    | 4.8%    | 0                       | 2           | 2     | Long-term on-the-job training           |
| 33-2011  | Fire Fighters  | 283                | 352  | 69                   | 24.4%   | 7                       | 8           | 15    | Long-term on-the-job training           |
| 33-2021  | Fire Inspectors and Investigators  | 12                 | 11   | -1                   | -8.3%   | 0                       | 0           | 0     | Work experience in a related occupation |
| 47-1011  | First-Line Supervisors/Managers of Construction Trades and Extraction Workers        | 481                | 473  | -8                   | -1.7%   | 0                       | 8           | 8     | Work experience in a related occupation |
| 45-1011  | First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers            | 65                 | 67   | 2                    | 3.1%    | 0                       | 2           | 2     | Work experience in a related occupation |
| 33-1021  | First-Line Supervisors/Managers of Fire Fighting and Prevention Workers              | 27                 | 32   | 5                    | 18.5%   | 1                       | 1           | 2     | Work experience in a related occupation |

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

| SOC Code | Occupation  | Average Employment |       | Change in Employment |         | Average Annual Openings |             |       | Education/Training Requirement          |
|----------|---|--------------------|-------|----------------------|---------|-------------------------|-------------|-------|---|
|          |   | 2002               | 2012  | Net                  | Percent | Growth                  | Replacement | Total |   |
| 35-1012  | First-Line Supervisors/Managers of Food Preparation and Serving Workers               | 571                | 609   | 38                   | 6.7%    | 4                       | 14          | 18    | Work experience in a related occupation |
| 53-1021  | First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand       | 88                 | 93    | 5                    | 5.7%    | 1                       | 2           | 3     | Work experience in a related occupation |
| 37-1011  | First-Line Supervisors/Managers of Housekeeping and Janitorial Workers                | 177                | 189   | 12                   | 6.8%    | 1                       | 4           | 5     | Work experience in a related occupation |
| 37-1012  | First-Line Supervisors/Managers of Landscaping, Lawn Service & Groundskeeping Workers | 111                | 126   | 15                   | 13.5%   | 2                       | 1           | 3     | Work experience in a related occupation |
| 49-1011  | First-Line Supervisors/Managers of Mechanics, Installers, and Repairers               | 421                | 432   | 11                   | 2.6%    | 1                       | 11          | 12    | Work experience in a related occupation |
| 41-1012  | First-Line Supervisors/Managers of Non-Retail Sales Workers                           | 226                | 248   | 22                   | 9.7%    | 2                       | 4           | 6     | Work experience in a related occupation |
| 43-1011  | First-Line Supervisors/Managers of Office and Administrative Support Workers          | 913                | 895   | -18                  | -2.0%   | 0                       | 20          | 20    | Work experience in a related occupation |
| 39-1021  | First-Line Supervisors/Managers of Personal Service Workers                           | 117                | 150   | 33                   | 28.2%   | 3                       | 3           | 6     | Work experience in a related occupation |
| 33-1012  | First-Line Supervisors/Managers of Police and Detectives                              | 60                 | 68    | 8                    | 13.3%   | 1                       | 2           | 3     | Work experience in a related occupation |
| 51-1011  | First-Line Supervisors/Managers of Production and Operating Workers                   | 532                | 474   | -58                  | -10.9%  | 0                       | 11          | 11    | Work experience in a related occupation |
| 41-1011  | First-Line Supervisors/Managers of Retail Sales Workers                               | 1,705              | 1,865 | 160                  | 9.4%    | 16                      | 31          | 47    | Work experience in a related occupation |
| 53-1031  | First-Line Supervisors/Managers of Transportation & Material-Moving Machine Operators | 182                | 189   | 7                    | 3.8%    | 1                       | 4           | 5     | Work experience in a related occupation |
| 33-1099  | First-Line Supervisors/Managers, Protective Service Workers, All Other                | 57                 | 55    | -2                   | -3.5%   | 0                       | 2           | 2     | Work experience in a related occupation |
| 33-3031  | Fish and Game Wardens   | 14                 | 11    | -3                   | -21.4%  | 0                       | 0           | 0     | Long-term on-the-job training           |
| 45-3011  | Fishers and Related Fishing Workers   | 235                | 230   | -5                   | -2.1%   | 0                       | 7           | 7     | Moderate-term on-the-job training       |
| 39-9031  | Fitness Trainers and Aerobics Instructors   | 173                | 219   | 46                   | 26.6%   | 5                       | 4           | 9     | Postsecondary vocational award          |
| 47-2043  | Floor Sanders and Finishers   | 16                 | 13    | -3                   | -18.8%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 27-1023  | Floral Designers  | 54                 | 60    | 6                    | 11.1%   | 1                       | 1           | 2     | Moderate-term on-the-job training       |
| 51-3092  | Food Batchmakers  | 34                 | 35    | 1                    | 2.9%    | 0                       | 1           | 1     | Short-term on-the-job training          |
| 35-9099  | Food Preparation and Serving Related Workers, All Other                               | 12                 | 14    | 2                    | 16.7%   | 0                       | 0           | 0     | Short-term on-the-job training          |
| 35-2021  | Food Preparation Workers  | 1,087              | 1,227 | 140                  | 12.9%   | 14                      | 39          | 53    | Short-term on-the-job training          |
| 35-3041  | Food Servers, Nonrestaurant   | 205                | 209   | 4                    | 2.0%    | 0                       | 7           | 7     | Short-term on-the-job training          |
| 11-9051  | Food Service Managers   | 333                | 356   | 23                   | 6.9%    | 2                       | 5           | 7     | Work experience in a related occupation |
| 25-1124  | Foreign Language and Literature Teachers, Postsecondary                               | 28                 | 35    | 7                    | 25.0%   | 1                       | 1           | 2     | Master's degree                         |
| 19-4093  | Forest and Conservation Technicians   | 15                 | 17    | 2                    | 13.3%   | 0                       | 0           | 0     | Associate degree                        |
| 45-4011  | Forest and Conservation Workers   | 20                 | 20    | 0                    | 0.0%    | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 33-2022  | Forest Fire Inspectors and Prevention Specialists                                     | 13                 | 12    | -1                   | -7.7%   | 0                       | 0           | 0     | Work experience in a related occupation |
| 19-1032  | Foresters   | 48                 | 48    | 0                    | 0.0%    | 0                       | 1           | 1     | Bachelor's degree                       |
| 25-1043  | Forestry and Conservation Science Teachers, Postsecondary                             | 13                 | 16    | 3                    | 23.1%   | 0                       | 0           | 0     | Doctoral degree                         |
| 39-4021  | Funeral Attendants  | 29                 | 35    | 6                    | 20.7%   | 1                       | 1           | 2     | Short-term on-the-job training          |
| 11-9061  | Funeral Directors   | 34                 | 37    | 3                    | 8.8%    | 0                       | 1           | 1     | Associate degree                        |

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

| SOC Code | Occupation   | Average Employment |       | Change in Employment |         | Average Annual Openings |             |       | Education/Training Requirement          |
|----------|--|--------------------|-------|----------------------|---------|-------------------------|-------------|-------|---|
|          |  | 2002               | 2012  | Net                  | Percent | Growth                  | Replacement | Total |   |
| 51-9051  | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders                             | 45                 | 32    | -13                  | -28.9%  | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 51-7021  | Furniture Finishers  | 34                 | 30    | -4                   | -11.8%  | 0                       | 1           | 1     | Long-term on-the-job training           |
| 39-3012  | Gaming and Sports Book Writers and Runners   | 17                 | 20    | 3                    | 17.6%   | 0                       | 1           | 1     | Postsecondary vocational award          |
| 39-3199  | Gaming Workers, All Other  | 22                 | 21    | -1                   | -4.5%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 11-1021  | General and Operations Managers  | 1,876              | 2,048 | 172                  | 9.2%    | 17                      | 35          | 52    | Bachelor's degree plus work experience  |
| 47-2121  | Glaziers   | 20                 | 18    | -2                   | -10.0%  | 0                       | 0           | 0     | Long-term on-the-job training           |
| 45-2041  | Graders and Sorters, Agricultural Products   | 38                 | 37    | -1                   | -2.6%   | 0                       | 1           | 1     | Work experience in a related occupation |
| 25-1191  | Graduate Teaching Assistants   | 305                | 369   | 64                   | 21.0%   | 6                       | 7           | 13    | Bachelor's degree                       |
| 27-1024  | Graphic Designers  | 64                 | 71    | 7                    | 10.9%   | 1                       | 1           | 2     | Bachelor's degree                       |
| 51-9022  | Grinding and Polishing Workers, Hand   | 17                 | 18    | 1                    | 5.9%    | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 51-4033  | Grinding/Lapping/Polishing&Buffing Machine Tool Setters/Operators/Tenders, Metal&Plastic | 73                 | 65    | -8                   | -11.0%  | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 39-5012  | Hairdressers, Hairstylists, and Cosmetologists   | 358                | 376   | 18                   | 5.0%    | 2                       | 7           | 9     | Postsecondary vocational award          |
| 47-4041  | Hazardous Materials Removal Workers  | 36                 | 39    | 3                    | 8.3%    | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 17-2111  | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors               | 18                 | 18    | 0                    | 0.0%    | 0                       | 0           | 0     | Bachelor's degree                       |
| 29-1199  | Health Diagnosing and Treating Practitioners, All Other                                  | 13                 | 18    | 5                    | 38.5%   | 1                       | 0           | 1     | Bachelor's degree                       |
| 21-1091  | Health Educators   | 72                 | 86    | 14                   | 19.4%   | 1                       | 1           | 2     | Master's degree                         |
| 29-9199  | Health Professionals and Technicians, All Other  | 71                 | 87    | 16                   | 22.5%   | 2                       | 1           | 3     | Postsecondary vocational award          |
| 25-1071  | Health Specialties Teachers, Postsecondary   | 131                | 161   | 30                   | 22.9%   | 3                       | 3           | 6     | Master's degree                         |
| 31-9099  | Healthcare Support Workers, All Other  | 95                 | 121   | 26                   | 27.4%   | 3                       | 2           | 5     | Short-term on-the-job training          |
| 49-9021  | Heating, Air Conditioning, and Refrigeration Mechanics and Installers                    | 418                | 482   | 64                   | 15.3%   | 6                       | 6           | 12    | Long-term on-the-job training           |
| 47-3019  | Helpers, Construction Trades, All Other  | 12                 | 11    | -1                   | -8.3%   | 0                       | 1           | 1     | Short-term on-the-job training          |
| 47-3011  | Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters              | 43                 | 37    | -6                   | -14.0%  | 0                       | 2           | 2     | Short-term on-the-job training          |
| 47-3012  | Helpers--Carpenters  | 71                 | 68    | -3                   | -4.2%   | 0                       | 3           | 3     | Short-term on-the-job training          |
| 47-3013  | Helpers--Electricians  | 104                | 95    | -9                   | -8.7%   | 0                       | 4           | 4     | Short-term on-the-job training          |
| 49-9098  | Helpers--Installation, Maintenance, and Repair Workers                                   | 58                 | 68    | 10                   | 17.2%   | 1                       | 2           | 3     | Short-term on-the-job training          |
| 47-3014  | Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons                           | 10                 | 9     | -1                   | -10.0%  | 0                       | 0           | 0     | Short-term on-the-job training          |
| 47-3015  | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters                             | 35                 | 29    | -6                   | -17.1%  | 0                       | 2           | 2     | Short-term on-the-job training          |
| 51-9198  | Helpers--Production Workers  | 219                | 182   | -37                  | -16.9%  | 0                       | 6           | 6     | Short-term on-the-job training          |
| 47-3016  | Helpers--Roofers   | 14                 | 13    | -1                   | -7.1%   | 0                       | 1           | 1     | Short-term on-the-job training          |
| 47-4051  | Highway Maintenance Workers  | 280                | 280   | 0                    | 0.0%    | 0                       | 4           | 4     | Moderate-term on-the-job training       |
| 25-1125  | History Teachers, Postsecondary  | 31                 | 39    | 8                    | 25.8%   | 1                       | 1           | 2     | Doctoral degree                         |

**Employment and Job Openings for All Occupations in Northeastern 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 |  |
| 49-9031  | Home Appliance Repairers  | 42                 | 44    | 2                    | 4.8%    | 0                       | 1           | 1     | Long-term on-the-job training          |
| 31-1011  | Home Health Aides   | 825                | 1,121 | 296                  | 35.9%   | 30                      | 11          | 41    | Short-term on-the-job training         |
| 35-9031  | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop                          | 276                | 300   | 24                   | 8.7%    | 2                       | 9           | 11    | Short-term on-the-job training         |
| 43-4081  | Hotel, Motel, and Resort Desk Clerks  | 277                | 308   | 31                   | 11.2%   | 3                       | 12          | 15    | Short-term on-the-job training         |
| 43-4161  | Human Resources Assistants, Except Payroll and Timekeeping                        | 101                | 113   | 12                   | 11.9%   | 1                       | 2           | 3     | Short-term on-the-job training         |
| 11-3040  | Human Resources Managers  | 151                | 157   | 6                    | 4.0%    | 1                       | 3           | 4     | Bachelor's degree plus work experience |
| 17-3026  | Industrial Engineering Technicians  | 35                 | 27    | -8                   | -22.9%  | 0                       | 1           | 1     | Associate degree                       |
| 17-2112  | Industrial Engineers  | 106                | 99    | -7                   | -6.6%   | 0                       | 3           | 3     | Bachelor's degree                      |
| 49-9041  | Industrial Machinery Mechanics  | 130                | 120   | -10                  | -7.7%   | 0                       | 3           | 3     | Long-term on-the-job training          |
| 11-3051  | Industrial Production Managers  | 123                | 106   | -17                  | -13.8%  | 0                       | 2           | 2     | Bachelor's degree                      |
| 53-7051  | Industrial Truck and Tractor Operators  | 414                | 387   | -27                  | -6.5%   | 0                       | 8           | 8     | Short-term on-the-job training         |
| 51-9061  | Inspectors, Testers, Sorters, Samplers, and Weighers                              | 247                | 227   | -20                  | -8.1%   | 0                       | 6           | 6     | Moderate-term on-the-job training      |
| 49-9099  | Installation, Maintenance, and Repair Workers, All Other                          | 165                | 168   | 3                    | 1.8%    | 0                       | 4           | 4     | Moderate-term on-the-job training      |
| 25-9031  | Instructional Coordinators  | 61                 | 77    | 16                   | 26.2%   | 2                       | 1           | 3     | Master's degree                        |
| 47-2130  | Insulation Workers  | 52                 | 46    | -6                   | -11.5%  | 0                       | 2           | 2     | Moderate-term on-the-job training      |
| 43-9041  | Insurance Claims and Policy Processing Clerks                                     | 60                 | 58    | -2                   | -3.3%   | 0                       | 1           | 1     | Moderate-term on-the-job training      |
| 41-3021  | Insurance Sales Agents  | 204                | 212   | 8                    | 3.9%    | 1                       | 5           | 6     | Bachelor's degree                      |
| 13-2053  | Insurance Underwriters  | 23                 | 21    | -2                   | -8.7%   | 0                       | 0           | 0     | Bachelor's degree                      |
| 27-1025  | Interior Designers  | 33                 | 36    | 3                    | 9.1%    | 0                       | 0           | 0     | Bachelor's degree                      |
| 29-1063  | Internists, General   | 48                 | 56    | 8                    | 16.7%   | 1                       | 1           | 2     | First Professional degree              |
| 27-3091  | Interpreters and Translators  | 38                 | 49    | 11                   | 28.9%   | 1                       | 1           | 2     | Long-term on-the-job training          |
| 43-4111  | Interviewers, Except Eligibility and Loan   | 110                | 137   | 27                   | 24.5%   | 3                       | 3           | 6     | Short-term on-the-job training         |
| 37-2011  | Janitors and Cleaners, Except Maids and Housekeeping Cleaners                     | 1,872              | 2,001 | 129                  | 6.9%    | 13                      | 36          | 49    | Short-term on-the-job training         |
| 51-9071  | Jewelers and Precious Stone and Metal Workers                                     | 27                 | 29    | 2                    | 7.4%    | 0                       | 1           | 1     | Postsecondary vocational award         |
| 51-5021  | Job Printers  | 12                 | 13    | 1                    | 8.3%    | 0                       | 0           | 0     | Long-term on-the-job training          |
| 25-2012  | Kindergarten Teachers, Except Special Education                                   | 191                | 205   | 14                   | 7.3%    | 1                       | 2           | 3     | Bachelor's degree                      |
| 53-7062  | Laborers and Freight, Stock, and Material Movers, Hand                            | 1,376              | 1,232 | -144                 | -10.5%  | 0                       | 45          | 45    | Short-term on-the-job training         |
| 17-1012  | Landscape Architects  | 15                 | 16    | 1                    | 6.7%    | 0                       | 0           | 0     | Bachelor's degree                      |
| 37-3011  | Landscaping and Groundskeeping Workers  | 852                | 980   | 128                  | 15.0%   | 13                      | 19          | 32    | Short-term on-the-job training         |
| 51-4034  | Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 62                 | 52    | -10                  | -16.1%  | 0                       | 1           | 1     | Moderate-term on-the-job training      |
| 51-6011  | Laundry and Dry-Cleaning Workers  | 217                | 221   | 4                    | 1.8%    | 0                       | 6           | 6     | Moderate-term on-the-job training      |



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

| SOC Code | Occupation  | Average Employment |       | Change in Employment |         | Average Annual Openings |             |       | Education/Training Requirement          |
|----------|---|--------------------|-------|----------------------|---------|-------------------------|-------------|-------|---|
|          |   | 2002               | 2012  | Net                  | Percent | Growth                  | Replacement | Total |   |
| 25-1112  | Law Teachers, Postsecondary                                       | 13                 | 16    | 3                    | 23.1%   | 0                       | 0           | 0     | First Professional degree               |
| 23-1011  | Lawyers   | 380                | 386   | 6                    | 1.6%    | 1                       | 5           | 6     | First Professional degree               |
| 23-9099  | Legal and Related Workers, All Other                              | 22                 | 30    | 8                    | 36.4%   | 1                       | 0           | 1     | Bachelor's degree                       |
| 43-6012  | Legal Secretaries   | 149                | 142   | -7                   | -4.7%   | 0                       | 3           | 3     | Postsecondary vocational award          |
| 11-1031  | Legislators   | 61                 | 63    | 2                    | 3.3%    | 0                       | 1           | 1     | Bachelor's degree plus work experience  |
| 25-4021  | Librarians  | 130                | 128   | -2                   | -1.5%   | 0                       | 3           | 3     | Master's degree                         |
| 43-4121  | Library Assistants, Clerical                                      | 52                 | 59    | 7                    | 13.5%   | 1                       | 2           | 3     | Short-term on-the-job training          |
| 25-4031  | Library Technicians   | 150                | 159   | 9                    | 6.0%    | 1                       | 6           | 7     | Short-term on-the-job training          |
| 25-9199  | Library, Museum, Training, and Other Education Workers, All Other | 15                 | 17    | 2                    | 13.3%   | 0                       | 0           | 0     | Bachelor's degree                       |
| 29-2061  | Licensed Practical and Licensed Vocational Nurses                 | 399                | 437   | 38                   | 9.5%    | 4                       | 9           | 13    | Postsecondary vocational award          |
| 19-1099  | Life Scientists, All Other  | 104                | 149   | 45                   | 43.3%   | 5                       | 2           | 7     | Bachelor's degree                       |
| 19-4099  | Life, Physical, and Social Science Technicians, All Other         | 41                 | 44    | 3                    | 7.3%    | 0                       | 1           | 1     | Associate degree                        |
| 43-4131  | Loan Interviewers and Clerks                                      | 91                 | 68    | -23                  | -25.3%  | 0                       | 1           | 1     | Short-term on-the-job training          |
| 13-2072  | Loan Officers   | 155                | 163   | 8                    | 5.2%    | 1                       | 3           | 4     | Bachelor's degree                       |
| 49-9094  | Locksmiths and Safe Repairers                                     | 27                 | 26    | -1                   | -3.7%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 53-4011  | Locomotive Engineers  | 38                 | 40    | 2                    | 5.3%    | 0                       | 1           | 1     | Work experience in a related occupation |
| 11-9081  | Lodging Managers  | 120                | 119   | -1                   | -0.8%   | 0                       | 2           | 2     | Work experience in a related occupation |
| 45-4023  | Log Graders and Scalers   | 24                 | 22    | -2                   | -8.3%   | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 45-4022  | Logging Equipment Operators                                       | 470                | 452   | -18                  | -3.8%   | 0                       | 9           | 9     | Moderate-term on-the-job training       |
| 53-7063  | Machine Feeders and Offbearers                                    | 108                | 91    | -17                  | -15.7%  | 0                       | 3           | 3     | Short-term on-the-job training          |
| 51-4041  | Machinists  | 243                | 220   | -23                  | -9.5%   | 0                       | 6           | 6     | Long-term on-the-job training           |
| 37-2012  | Maids and Housekeeping Cleaners                                   | 1,696              | 1,791 | 95                   | 5.6%    | 10                      | 36          | 46    | Short-term on-the-job training          |
| 43-9051  | Mail Clerks and Mail Machine Operators, Except Postal Service     | 61                 | 52    | -9                   | -14.8%  | 0                       | 2           | 2     | Short-term on-the-job training          |
| 49-9042  | Maintenance and Repair Workers, General                           | 967                | 1,004 | 37                   | 3.8%    | 4                       | 19          | 23    | Moderate-term on-the-job training       |
| 49-9043  | Maintenance Workers, Machinery                                    | 101                | 84    | -17                  | -16.8%  | 0                       | 2           | 2     | Short-term on-the-job training          |
| 13-1111  | Management Analysts   | 157                | 169   | 12                   | 7.6%    | 1                       | 2           | 3     | Bachelor's degree plus work experience  |
| 11-9199  | Managers, All Other   | 412                | 434   | 22                   | 5.3%    | 2                       | 8           | 10    | Work experience in a related occupation |
| 49-9095  | Manufactured Building and Mobile Home Installers                  | 28                 | 37    | 9                    | 32.1%   | 1                       | 1           | 2     | Moderate-term on-the-job training       |
| 19-3021  | Market Research Analysts  | 26                 | 27    | 1                    | 3.8%    | 0                       | 1           | 1     | Master's degree                         |
| 11-2021  | Marketing Managers  | 103                | 121   | 18                   | 17.5%   | 2                       | 2           | 4     | Bachelor's degree plus work experience  |
| 31-9011  | Massage Therapists  | 61                 | 88    | 27                   | 44.3%   | 3                       | 1           | 4     | Postsecondary vocational award          |

**Employment and Job Openings for All Occupations in Northeastern 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 |  |
| 53-7199  | Material Moving Workers, All Other  | 10                 | 9    | -1                   | -10.0%  | 0                       | 0           | 0     | Moderate-term on-the-job training      |
| 25-1022  | Mathematical Science Teachers, Postsecondary  | 69                 | 83   | 14                   | 20.3%   | 1                       | 2           | 3     | Master's degree                        |
| 51-3022  | Meat, Poultry, and Fish Cutters and Trimmers  | 97                 | 89   | -8                   | -8.2%   | 0                       | 2           | 2     | Short-term on-the-job training         |
| 17-3013  | Mechanical Drafters   | 101                | 76   | -25                  | -24.8%  | 0                       | 3           | 3     | Postsecondary vocational award         |
| 17-2141  | Mechanical Engineers  | 86                 | 77   | -9                   | -10.5%  | 0                       | 2           | 2     | Bachelor's degree                      |
| 27-3099  | Media and Communication Workers, All Other  | 28                 | 30   | 2                    | 7.1%    | 0                       | 0           | 0     | Long-term on-the-job training          |
| 29-2012  | Medical and Clinical Laboratory Technicians   | 139                | 164  | 25                   | 18.0%   | 3                       | 4           | 7     | Associate degree                       |
| 29-2011  | Medical and Clinical Laboratory Technologists                                       | 189                | 237  | 48                   | 25.4%   | 5                       | 5           | 10    | Bachelor's degree                      |
| 11-9111  | Medical and Health Services Managers  | 264                | 335  | 71                   | 26.9%   | 7                       | 5           | 12    | Bachelor's degree plus work experience |
| 21-1022  | Medical and Public Health Social Workers  | 116                | 153  | 37                   | 31.9%   | 4                       | 2           | 6     | Bachelor's degree                      |
| 51-9082  | Medical Appliance Technicians   | 11                 | 12   | 1                    | 9.1%    | 0                       | 0           | 0     | Long-term on-the-job training          |
| 31-9092  | Medical Assistants  | 271                | 420  | 149                  | 55.0%   | 15                      | 5           | 20    | Moderate-term on-the-job training      |
| 31-9093  | Medical Equipment Preparers   | 39                 | 46   | 7                    | 17.9%   | 1                       | 1           | 2     | Short-term on-the-job training         |
| 49-9062  | Medical Equipment Repairers   | 14                 | 18   | 4                    | 28.6%   | 0                       | 0           | 0     | Associate degree                       |
| 29-2071  | Medical Records and Health Information Technicians                                  | 156                | 225  | 69                   | 44.2%   | 7                       | 2           | 9     | Associate degree                       |
| 19-1042  | Medical Scientists, Except Epidemiologists  | 17                 | 22   | 5                    | 29.4%   | 1                       | 0           | 1     | Doctoral degree                        |
| 43-6013  | Medical Secretaries   | 353                | 390  | 37                   | 10.5%   | 4                       | 7           | 11    | Postsecondary vocational award         |
| 31-9094  | Medical Transcriptionists   | 119                | 142  | 23                   | 19.3%   | 2                       | 2           | 4     | Postsecondary vocational award         |
| 13-1121  | Meeting and Convention Planners   | 47                 | 57   | 10                   | 21.3%   | 1                       | 1           | 2     | Bachelor's degree                      |
| 21-1023  | Mental Health and Substance Abuse Social Workers                                    | 251                | 346  | 95                   | 37.8%   | 10                      | 4           | 14    | Master's degree                        |
| 21-1014  | Mental Health Counselors  | 140                | 177  | 37                   | 26.4%   | 4                       | 3           | 7     | Master's degree                        |
| 27-1026  | Merchandise Displayers and Window Trimmers  | 45                 | 60   | 15                   | 33.3%   | 2                       | 1           | 3     | Moderate-term on-the-job training      |
| 43-5041  | Meter Readers, Utilities  | 50                 | 42   | -8                   | -16.0%  | 0                       | 2           | 2     | Short-term on-the-job training         |
| 19-1022  | Microbiologists   | 14                 | 17   | 3                    | 21.4%   | 0                       | 0           | 0     | Doctoral degree                        |
| 25-2022  | Middle School Teachers, Except Special and Vocational Education                     | 592                | 541  | -51                  | -8.6%   | 0                       | 13          | 13    | Bachelor's degree                      |
| 49-9044  | Millwrights   | 210                | 157  | -53                  | -25.2%  | 0                       | 5           | 5     | Long-term on-the-job training          |
| 51-9023  | Mixing and Blending Machine Setters, Operators, and Tenders                         | 92                 | 65   | -27                  | -29.3%  | 0                       | 2           | 2     | Moderate-term on-the-job training      |
| 49-3042  | Mobile Heavy Equipment Mechanics, Except Engines                                    | 136                | 139  | 3                    | 2.2%    | 0                       | 3           | 3     | Postsecondary vocational award         |
| 51-9195  | Molders, Shapers, and Casters, Except Metal and Plastic                             | 21                 | 16   | -5                   | -23.8%  | 0                       | 1           | 1     | Moderate-term on-the-job training      |
| 51-4072  | Molding, Coremaking & Casting Machine Setters, Operators & Tenders, Metal & Plastic | 11                 | 9    | -2                   | -18.2%  | 0                       | 0           | 0     | Moderate-term on-the-job training      |
| 53-3099  | Motor Vehicle Operators, All Other  | 84                 | 99   | 15                   | 17.9%   | 2                       | 1           | 3     | Short-term on-the-job training         |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 49-3051  | Motorboat Mechanics  | 82                 | 100   | 18                   | 22.0%   | 2                       | 2           | 4     | Long-term on-the-job training           |
| 49-3052  | Motorcycle Mechanics   | 10                 | 13    | 3                    | 30.0%   | 0                       | 0           | 0     | Long-term on-the-job training           |
| 27-1014  | Multi-Media Artists and Animators  | 27                 | 27    | 0                    | 0.0%    | 0                       | 1           | 1     | Bachelor's degree                       |
| 51-4081  | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 19                 | 16    | -3                   | -15.8%  | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 27-2041  | Music Directors and Composers  | 36                 | 41    | 5                    | 13.9%   | 1                       | 1           | 2     | Bachelor's degree plus work experience  |
| 27-2042  | Musicians and Singers  | 99                 | 116   | 17                   | 17.2%   | 2                       | 2           | 4     | Long-term on-the-job training           |
| 11-9121  | Natural Sciences Managers  | 52                 | 55    | 3                    | 5.8%    | 0                       | 1           | 1     | Bachelor's degree plus work experience  |
| 15-1071  | Network and Computer Systems Administrators                              | 116                | 129   | 13                   | 11.2%   | 1                       | 1           | 2     | Bachelor's degree                       |
| 15-1081  | Network Systems and Data Communications Analysts                         | 48                 | 67    | 19                   | 39.6%   | 2                       | 1           | 3     | Bachelor's degree                       |
| 43-4141  | New Accounts Clerks  | 64                 | 67    | 3                    | 4.7%    | 0                       | 2           | 2     | Work experience in a related occupation |
| 27-3020  | News Analysts, Reporters and Correspondents                              | 84                 | 88    | 4                    | 4.8%    | 0                       | 2           | 2     | Bachelor's degree plus work experience  |
| 39-2021  | Nonfarm Animal Caretakers  | 71                 | 87    | 16                   | 22.5%   | 2                       | 2           | 4     | Short-term on-the-job training          |
| 29-2033  | Nuclear Medicine Technologists   | 13                 | 15    | 2                    | 15.4%   | 0                       | 0           | 0     | Associate degree                        |
| 51-4012  | Numerical Tool and Process Control Programmers                           | 83                 | 86    | 3                    | 3.6%    | 0                       | 1           | 1     | Long-term on-the-job training           |
| 31-1012  | Nursing Aides, Orderlies, and Attendants                                 | 1,517              | 1,686 | 169                  | 11.1%   | 17                      | 20          | 37    | Short-term on-the-job training          |
| 25-1072  | Nursing Instructors and Teachers, Postsecondary                          | 48                 | 56    | 8                    | 16.7%   | 1                       | 1           | 2     | Doctoral degree                         |
| 29-1064  | Obstetricians and Gynecologists  | 21                 | 25    | 4                    | 19.0%   | 0                       | 0           | 0     | First Professional degree               |
| 29-9010  | Occupational Health and Safety Specialists and Technicians               | 41                 | 40    | -1                   | -2.4%   | 0                       | 1           | 1     | Bachelor's degree                       |
| 31-2012  | Occupational Therapist Aides   | 13                 | 19    | 6                    | 46.2%   | 1                       | 0           | 1     | Short-term on-the-job training          |
| 31-2011  | Occupational Therapist Assistants  | 13                 | 19    | 6                    | 46.2%   | 1                       | 0           | 1     | Associate degree                        |
| 29-1122  | Occupational Therapists  | 91                 | 113   | 22                   | 24.2%   | 2                       | 1           | 3     | Bachelor's degree                       |
| 43-9061  | Office Clerks, General   | 1,897              | 1,850 | -47                  | -2.5%   | 0                       | 42          | 42    | Short-term on-the-job training          |
| 43-9071  | Office Machine Operators, Except Computer                                | 28                 | 23    | -5                   | -17.9%  | 0                       | 1           | 1     | Short-term on-the-job training          |
| 47-2073  | Operating Engineers and Other Construction Equipment Operators           | 305                | 315   | 10                   | 3.3%    | 1                       | 8           | 9     | Moderate-term on-the-job training       |
| 15-2031  | Operations Research Analysts   | 13                 | 11    | -2                   | -15.4%  | 0                       | 0           | 0     | Master's degree                         |
| 51-9083  | Ophthalmic Laboratory Technicians  | 19                 | 19    | 0                    | 0.0%    | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 29-2081  | Opticians, Dispensing  | 26                 | 30    | 4                    | 15.4%   | 0                       | 1           | 1     | Long-term on-the-job training           |
| 29-1041  | Optometrists   | 27                 | 34    | 7                    | 25.9%   | 1                       | 1           | 2     | First Professional degree               |
| 43-4151  | Order Clerks   | 142                | 106   | -36                  | -25.4%  | 0                       | 3           | 3     | Short-term on-the-job training          |
| 49-3053  | Outdoor Power Equipment and Other Small Engine Mechanics                 | 59                 | 71    | 12                   | 20.3%   | 1                       | 2           | 3     | Moderate-term on-the-job training       |
| 51-9111  | Packaging and Filling Machine Operators and Tenders                      | 195                | 184   | -11                  | -5.6%   | 0                       | 4           | 4     | Short-term on-the-job training          |

**Employment and Job Openings for All Occupations in Northeastern 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 |                                   |
| 53-7064  | Packers and Packagers, Hand                               | 495                | 504   | 9                    | 1.8%    | 1                       | 9           | 10    | Short-term on-the-job training    |
| 47-2141  | Painters, Construction and Maintenance                    | 378                | 350   | -28                  | -7.4%   | 0                       | 6           | 6     | Moderate-term on-the-job training |
| 51-9122  | Painters, Transportation Equipment                        | 50                 | 60    | 10                   | 20.0%   | 1                       | 1           | 2     | Moderate-term on-the-job training |
| 51-9123  | Painting, Coating, and Decorating Workers                 | 21                 | 22    | 1                    | 4.8%    | 0                       | 1           | 1     | Short-term on-the-job training    |
| 51-9196  | Paper Goods Machine Setters, Operators, and Tenders       | 268                | 200   | -68                  | -25.4%  | 0                       | 6           | 6     | Moderate-term on-the-job training |
| 47-2142  | Paperhangers  | 18                 | 15    | -3                   | -16.7%  | 0                       | 0           | 0     | Moderate-term on-the-job training |
| 23-2011  | Paralegals and Legal Assistants                           | 125                | 133   | 8                    | 6.4%    | 1                       | 1           | 2     | Associate degree                  |
| 53-6021  | Parking Lot Attendants                                    | 13                 | 13    | 0                    | 0.0%    | 0                       | 0           | 0     | Short-term on-the-job training    |
| 41-2022  | Parts Salespersons  | 374                | 358   | -16                  | -4.3%   | 0                       | 11          | 11    | Moderate-term on-the-job training |
| 47-2071  | Paving, Surfacing, and Tamping Equipment Operators        | 91                 | 95    | 4                    | 4.4%    | 0                       | 1           | 1     | Moderate-term on-the-job training |
| 43-3051  | Payroll and Timekeeping Clerks                            | 148                | 137   | -11                  | -7.4%   | 0                       | 4           | 4     | Moderate-term on-the-job training |
| 29-1065  | Pediatricians, General                                    | 24                 | 28    | 4                    | 16.7%   | 0                       | 0           | 0     | First Professional degree         |
| 39-9021  | Personal and Home Care Aides                              | 1,014              | 1,551 | 537                  | 53.0%   | 54                      | 16          | 70    | Short-term on-the-job training    |
| 39-9099  | Personal Care and Service Workers, All Other              | 66                 | 82    | 16                   | 24.2%   | 2                       | 1           | 3     | Short-term on-the-job training    |
| 13-2052  | Personal Financial Advisors                               | 60                 | 81    | 21                   | 35.0%   | 2                       | 1           | 3     | Bachelor's degree                 |
| 37-2021  | Pest Control Workers                                      | 20                 | 21    | 1                    | 5.0%    | 0                       | 0           | 0     | Moderate-term on-the-job training |
| 37-3012  | Pesticide Handlers, Sprayers, and Applicators, Vegetation | 33                 | 27    | -6                   | -18.2%  | 0                       | 1           | 1     | Moderate-term on-the-job training |
| 29-1051  | Pharmacists   | 172                | 208   | 36                   | 20.9%   | 4                       | 3           | 7     | First Professional degree         |
| 31-9095  | Pharmacy Aides  | 16                 | 18    | 2                    | 12.5%   | 0                       | 0           | 0     | Short-term on-the-job training    |
| 29-2052  | Pharmacy Technicians                                      | 198                | 240   | 42                   | 21.2%   | 4                       | 3           | 7     | Moderate-term on-the-job training |
| 25-1126  | Philosophy and Religion Teachers, Postsecondary           | 50                 | 65    | 15                   | 30.0%   | 2                       | 1           | 3     | Doctoral degree                   |
| 27-4021  | Photographers   | 63                 | 67    | 4                    | 6.3%    | 0                       | 1           | 1     | Long-term on-the-job training     |
| 51-9131  | Photographic Process Workers                              | 27                 | 24    | -3                   | -11.1%  | 0                       | 1           | 1     | Moderate-term on-the-job training |
| 51-9132  | Photographic Processing Machine Operators                 | 49                 | 43    | -6                   | -12.2%  | 0                       | 1           | 1     | Short-term on-the-job training    |
| 19-2099  | Physical Scientists, All Other                            | 12                 | 13    | 1                    | 8.3%    | 0                       | 0           | 0     | Bachelor's degree                 |
| 31-2022  | Physical Therapist Aides                                  | 22                 | 31    | 9                    | 40.9%   | 1                       | 0           | 1     | Short-term on-the-job training    |
| 31-2021  | Physical Therapist Assistants                             | 51                 | 74    | 23                   | 45.1%   | 2                       | 1           | 3     | Associate degree                  |
| 29-1123  | Physical Therapists                                       | 173                | 221   | 48                   | 27.7%   | 5                       | 2           | 7     | Master's degree                   |
| 29-1071  | Physician Assistants                                      | 114                | 168   | 54                   | 47.4%   | 5                       | 2           | 7     | Bachelor's degree                 |
| 29-1069  | Physicians and Surgeons, All Other                        | 201                | 232   | 31                   | 15.4%   | 3                       | 3           | 6     | First Professional degree         |
| 25-1054  | Physics Teachers, Postsecondary                           | 24                 | 30    | 6                    | 25.0%   | 1                       | 1           | 2     | Doctoral degree                   |

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

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|----------|---|--------------------|------|----------------------|---------|-------------------------|-------------|-------|---|
|          |   | 2002               | 2012 | Net                  | Percent | Growth                  | Replacement | Total |   |
| 47-2151  | Pipelayers  | 47                 | 50   | 3                    | 6.4%    | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 47-2152  | Plumbers, Pipefitters, and Steamfitters                                   | 405                | 363  | -42                  | -10.4%  | 0                       | 9           | 9     | Long-term on-the-job training           |
| 29-1081  | Podiatrists   | 18                 | 23   | 5                    | 27.8%   | 1                       | 0           | 1     | First Professional degree               |
| 33-3051  | Police and Sheriff's Patrol Officers                                      | 315                | 394  | 79                   | 25.1%   | 8                       | 8           | 16    | Long-term on-the-job training           |
| 43-5031  | Police, Fire, and Ambulance Dispatchers                                   | 109                | 123  | 14                   | 12.8%   | 1                       | 2           | 3     | Moderate-term on-the-job training       |
| 25-1065  | Political Science Teachers, Postsecondary                                 | 30                 | 37   | 7                    | 23.3%   | 1                       | 1           | 2     | Doctoral degree                         |
| 43-5051  | Postal Service Clerks   | 108                | 94   | -14                  | -13.0%  | 0                       | 3           | 3     | Short-term on-the-job training          |
| 43-5052  | Postal Service Mail Carriers  | 269                | 234  | -35                  | -13.0%  | 0                       | 8           | 8     | Short-term on-the-job training          |
| 43-5053  | Postal Service Mail Sorters, Processors, and Processing Machine Operators | 300                | 234  | -66                  | -22.0%  | 0                       | 8           | 8     | Short-term on-the-job training          |
| 11-9131  | Postmasters and Mail Superintendents                                      | 91                 | 79   | -12                  | -13.2%  | 0                       | 2           | 2     | Work experience in a related occupation |
| 25-1199  | Postsecondary Teachers, All Other   | 181                | 219  | 38                   | 21.0%   | 4                       | 4           | 8     | Doctoral degree                         |
| 51-8012  | Power Distributors and Dispatchers  | 28                 | 26   | -2                   | -7.1%   | 0                       | 1           | 1     | Long-term on-the-job training           |
| 51-8013  | Power Plant Operators   | 44                 | 40   | -4                   | -9.1%   | 0                       | 1           | 1     | Long-term on-the-job training           |
| 49-9069  | Precision Instrument and Equipment Repairers, All Other                   | 53                 | 41   | -12                  | -22.6%  | 0                       | 2           | 2     | Long-term on-the-job training           |
| 51-5022  | Prepress Technicians and Workers  | 39                 | 32   | -7                   | -17.9%  | 0                       | 1           | 1     | Long-term on-the-job training           |
| 25-2011  | Preschool Teachers, Except Special Education                              | 283                | 313  | 30                   | 10.6%   | 3                       | 3           | 6     | Postsecondary vocational award          |
| 51-6021  | Pressers, Textile, Garment, and Related Materials                         | 23                 | 22   | -1                   | -4.3%   | 0                       | 0           | 0     | Short-term on-the-job training          |
| 51-5023  | Printing Machine Operators  | 89                 | 90   | 1                    | 1.1%    | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 33-9021  | Private Detectives and Investigators                                      | 25                 | 31   | 6                    | 24.0%   | 1                       | 1           | 2     | Work experience in a related occupation |
| 21-1092  | Probation Officers and Correctional Treatment Specialists                 | 49                 | 47   | -2                   | -4.1%   | 0                       | 1           | 1     | Bachelor's degree                       |
| 43-3061  | Procurement Clerks  | 33                 | 28   | -5                   | -15.2%  | 0                       | 1           | 1     | Short-term on-the-job training          |
| 27-2012  | Producers and Directors   | 45                 | 46   | 1                    | 2.2%    | 0                       | 1           | 1     | Bachelor's degree plus work experience  |
| 51-9199  | Production Workers, All Other   | 534                | 406  | -128                 | -24.0%  | 0                       | 13          | 13    | Moderate-term on-the-job training       |
| 43-5061  | Production, Planning, and Expediting Clerks                               | 125                | 113  | -12                  | -9.6%   | 0                       | 3           | 3     | Short-term on-the-job training          |
| 43-9081  | Proofreaders and Copy Markers   | 20                 | 17   | -3                   | -15.0%  | 0                       | 0           | 0     | Short-term on-the-job training          |
| 11-9141  | Property, Real Estate, and Community Association Managers                 | 94                 | 101  | 7                    | 7.4%    | 1                       | 2           | 3     | Bachelor's degree                       |
| 33-9099  | Protective Service Workers, All Other                                     | 153                | 166  | 13                   | 8.5%    | 1                       | 11          | 12    | Short-term on-the-job training          |
| 31-1013  | Psychiatric Aides   | 196                | 211  | 15                   | 7.7%    | 2                       | 3           | 5     | Short-term on-the-job training          |
| 29-2053  | Psychiatric Technicians   | 106                | 110  | 4                    | 3.8%    | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 29-1066  | Psychiatrists   | 41                 | 47   | 6                    | 14.6%   | 1                       | 1           | 2     | First Professional degree               |
| 25-1066  | Psychology Teachers, Postsecondary  | 38                 | 48   | 10                   | 26.3%   | 1                       | 1           | 2     | Doctoral degree                         |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 11-2031  | Public Relations Managers   | 59                 | 74    | 15                   | 25.4%   | 2                       | 1           | 3     | Bachelor's degree plus work experience  |
| 27-3031  | Public Relations Specialists  | 76                 | 97    | 21                   | 27.6%   | 2                       | 1           | 3     | Bachelor's degree                       |
| 13-1023  | Purchasing Agents, Except Wholesale, Retail, and Farm Products                    | 116                | 119   | 3                    | 2.6%    | 0                       | 3           | 3     | Work experience in a related occupation |
| 11-3061  | Purchasing Managers   | 82                 | 83    | 1                    | 1.2%    | 0                       | 2           | 2     | Bachelor's degree plus work experience  |
| 29-1124  | Radiation Therapists  | 12                 | 15    | 3                    | 25.0%   | 0                       | 0           | 0     | Associate degree                        |
| 29-2034  | Radiologic Technologists and Technicians  | 168                | 200   | 32                   | 19.0%   | 3                       | 3           | 6     | Associate degree                        |
| 49-3043  | Rail Car Repairers  | 19                 | 17    | -2                   | -10.5%  | 0                       | 0           | 0     | Long-term on-the-job training           |
| 53-4031  | Railroad Conductors and Yardmasters   | 52                 | 56    | 4                    | 7.7%    | 0                       | 1           | 1     | Work experience in a related occupation |
| 47-4061  | Rail-Track Laying and Maintenance Equipment Operators                             | 26                 | 24    | -2                   | -7.7%   | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 41-9021  | Real Estate Brokers   | 144                | 160   | 16                   | 11.1%   | 2                       | 3           | 5     | Work experience in a related occupation |
| 41-9022  | Real Estate Sales Agents  | 64                 | 73    | 9                    | 14.1%   | 1                       | 1           | 2     | Postsecondary vocational award          |
| 43-4171  | Receptionists and Information Clerks  | 616                | 722   | 106                  | 17.2%   | 11                      | 15          | 26    | Short-term on-the-job training          |
| 25-1193  | Recreation and Fitness Studies Teachers, Postsecondary                            | 35                 | 43    | 8                    | 22.9%   | 1                       | 1           | 2     | Master's degree                         |
| 39-9032  | Recreation Workers  | 195                | 237   | 42                   | 21.5%   | 4                       | 5           | 9     | Bachelor's degree                       |
| 29-1125  | Recreational Therapists   | 39                 | 39    | 0                    | 0.0%    | 0                       | 1           | 1     | Bachelor's degree                       |
| 49-3092  | Recreational Vehicle Service Technicians  | 20                 | 28    | 8                    | 40.0%   | 1                       | 1           | 2     | Long-term on-the-job training           |
| 53-7081  | Refuse and Recyclable Material Collectors   | 108                | 109   | 1                    | 0.9%    | 0                       | 3           | 3     | Short-term on-the-job training          |
| 29-1111  | Registered Nurses   | 2,389              | 2,899 | 510                  | 21.3%   | 51                      | 50          | 101   | Associate degree                        |
| 21-1015  | Rehabilitation Counselors   | 195                | 254   | 59                   | 30.3%   | 6                       | 5           | 11    | Master's degree                         |
| 43-4181  | Reservation and Transportation Ticket Agents and Travel Clerks                    | 118                | 116   | -2                   | -1.7%   | 0                       | 3           | 3     | Short-term on-the-job training          |
| 39-9041  | Residential Advisors  | 81                 | 100   | 19                   | 23.5%   | 2                       | 2           | 4     | Moderate-term on-the-job training       |
| 29-1126  | Respiratory Therapists  | 81                 | 108   | 27                   | 33.3%   | 3                       | 3           | 6     | Associate degree                        |
| 29-2054  | Respiratory Therapy Technicians   | 11                 | 15    | 4                    | 36.4%   | 0                       | 0           | 0     | Postsecondary vocational award          |
| 41-2031  | Retail Salespersons   | 3,198              | 3,211 | 13                   | 0.4%    | 1                       | 116         | 117   | Short-term on-the-job training          |
| 49-9096  | Riggers   | 21                 | 23    | 2                    | 9.5%    | 0                       | 1           | 1     | Short-term on-the-job training          |
| 47-2181  | Roofers   | 85                 | 81    | -4                   | -4.7%   | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 53-5011  | Sailors and Marine Oilers   | 31                 | 37    | 6                    | 19.4%   | 1                       | 1           | 2     | Short-term on-the-job training          |
| 41-9099  | Sales and Related Workers, All Other  | 308                | 353   | 45                   | 14.6%   | 5                       | 6           | 11    | Moderate-term on-the-job training       |
| 41-9031  | Sales Engineers   | 20                 | 24    | 4                    | 20.0%   | 0                       | 1           | 1     | Bachelor's degree                       |
| 11-2022  | Sales Managers  | 164                | 189   | 25                   | 15.2%   | 3                       | 3           | 6     | Bachelor's degree plus work experience  |
| 41-4011  | Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products | 159                | 161   | 2                    | 1.3%    | 0                       | 4           | 4     | Moderate-term on-the-job training       |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 41-4012  | Sales Reps, Wholesale and Manufacturing, Except Technical & Scientific Products               | 706                | 754   | 48                   | 6.8%    | 5                       | 19          | 24    | Moderate-term on-the-job training       |
| 51-7041  | Sawing Machine Setters, Operators, and Tenders, Wood  | 135                | 105   | -30                  | -22.2%  | 0                       | 4           | 4     | Moderate-term on-the-job training       |
| 25-2031  | Secondary School Teachers, Except Special and Vocational Education                            | 1,003              | 994   | -9                   | -0.9%   | 0                       | 28          | 28    | Bachelor's degree                       |
| 43-9999  | Secretaries, Administrative Assistants, and Other Office Support Workers, All Other           | 111                | 92    | -19                  | -17.1%  | 0                       | 2           | 2     | Short-term on-the-job training          |
| 43-6014  | Secretaries, Except Legal, Medical, and Executive   | 1,578              | 1,411 | -167                 | -10.6%  | 0                       | 30          | 30    | Moderate-term on-the-job training       |
| 41-3031  | Securities, Commodities, and Financial Services Sales Agents                                  | 62                 | 75    | 13                   | 21.0%   | 1                       | 1           | 2     | Bachelor's degree                       |
| 49-2098  | Security and Fire Alarm Systems Installers  | 13                 | 13    | 0                    | 0.0%    | 0                       | 0           | 0     | Postsecondary vocational award          |
| 33-9032  | Security Guards   | 531                | 546   | 15                   | 2.8%    | 2                       | 12          | 14    | Short-term on-the-job training          |
| 25-3021  | Self-Enrichment Education Teachers  | 136                | 211   | 75                   | 55.1%   | 8                       | 2           | 10    | Work experience in a related occupation |
| 51-9012  | Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders | 59                 | 46    | -13                  | -22.0%  | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 53-6031  | Service Station Attendants  | 246                | 253   | 7                    | 2.8%    | 1                       | 11          | 12    | Short-term on-the-job training          |
| 51-6051  | Sewers, Hand  | 35                 | 20    | -15                  | -42.9%  | 0                       | 1           | 1     | Short-term on-the-job training          |
| 51-6031  | Sewing Machine Operators  | 139                | 123   | -16                  | -11.5%  | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 47-2211  | Sheet Metal Workers   | 151                | 140   | -11                  | -7.3%   | 0                       | 4           | 4     | Moderate-term on-the-job training       |
| 43-5071  | Shipping, Receiving, and Traffic Clerks   | 422                | 378   | -44                  | -10.4%  | 0                       | 9           | 9     | Short-term on-the-job training          |
| 51-6041  | Shoe and Leather Workers and Repairers  | 28                 | 15    | -13                  | -46.4%  | 0                       | 1           | 1     | Long-term on-the-job training           |
| 51-6042  | Shoe Machine Operators and Tenders  | 31                 | 14    | -17                  | -54.8%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 49-9097  | Signal and Track Switch Repairers   | 11                 | 11    | 0                    | 0.0%    | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 39-5094  | Skin Care Specialists   | 12                 | 13    | 1                    | 8.3%    | 0                       | 0           | 0     | Postsecondary vocational award          |
| 11-9151  | Social and Community Service Managers   | 207                | 271   | 64                   | 30.9%   | 6                       | 4           | 10    | Bachelor's degree                       |
| 21-1093  | Social and Human Service Assistants   | 519                | 809   | 290                  | 55.9%   | 29                      | 9           | 38    | Moderate-term on-the-job training       |
| 19-3099  | Social Scientists and Related Workers, All Other  | 32                 | 32    | 0                    | 0.0%    | 0                       | 1           | 1     | Master's degree                         |
| 25-1067  | Sociology Teachers, Postsecondary   | 20                 | 25    | 5                    | 25.0%   | 1                       | 1           | 2     | Doctoral degree                         |
| 25-2042  | Special Education Teachers, Middle School   | 90                 | 99    | 9                    | 10.0%   | 1                       | 2           | 3     | Bachelor's degree                       |
| 25-2041  | Special Education Teachers, Preschool, Kindergarten, and Elementary School                    | 226                | 248   | 22                   | 9.7%    | 2                       | 5           | 7     | Bachelor's degree                       |
| 25-2043  | Special Education Teachers, Secondary School  | 113                | 124   | 11                   | 9.7%    | 1                       | 3           | 4     | Bachelor's degree                       |
| 29-1127  | Speech-Language Pathologists  | 112                | 135   | 23                   | 20.5%   | 2                       | 3           | 5     | Master's degree                         |
| 51-8021  | Stationary Engineers and Boiler Operators   | 97                 | 78    | -19                  | -19.6%  | 0                       | 2           | 2     | Long-term on-the-job training           |
| 43-9111  | Statistical Assistants  | 11                 | 9     | -2                   | -18.2%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 43-5081  | Stock Clerks and Order Fillers  | 1,083              | 946   | -137                 | -12.7%  | 0                       | 40          | 40    | Short-term on-the-job training          |
| 47-2022  | Stonemasons   | 23                 | 22    | -1                   | -4.3%   | 0                       | 0           | 0     | Long-term on-the-job training           |

**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 47-2221  | Structural Iron and Steel Workers  | 35                 | 32    | -3                   | -8.6%   | 0                       | 1           | 1     | Long-term on-the-job training           |
| 51-2041  | Structural Metal Fabricators and Fitters   | 64                 | 48    | -16                  | -25.0%  | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 21-1011  | Substance Abuse and Behavioral Disorder Counselors                                 | 75                 | 87    | 12                   | 16.0%   | 1                       | 2           | 3     | Master's degree                         |
| 29-1067  | Surgeons   | 72                 | 84    | 12                   | 16.7%   | 1                       | 1           | 2     | First Professional degree               |
| 29-2055  | Surgical Technologists   | 69                 | 86    | 17                   | 24.6%   | 2                       | 1           | 3     | Postsecondary vocational award          |
| 17-3031  | Surveying and Mapping Technicians  | 58                 | 66    | 8                    | 13.8%   | 1                       | 2           | 3     | Moderate-term on-the-job training       |
| 17-1022  | Surveyors  | 37                 | 36    | -1                   | -2.7%   | 0                       | 1           | 1     | Bachelor's degree                       |
| 43-2011  | Switchboard Operators, Including Answering Service                                 | 178                | 159   | -19                  | -10.7%  | 0                       | 5           | 5     | Short-term on-the-job training          |
| 51-6052  | Tailors, Dressmakers, and Custom Sewers  | 29                 | 25    | -4                   | -13.8%  | 0                       | 1           | 1     | Long-term on-the-job training           |
| 13-2081  | Tax Examiners, Collectors, and Revenue Agents                                      | 52                 | 53    | 1                    | 1.9%    | 0                       | 1           | 1     | Bachelor's degree                       |
| 13-2082  | Tax Preparers  | 38                 | 40    | 2                    | 5.3%    | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 53-3041  | Taxi Drivers and Chauffeurs  | 88                 | 102   | 14                   | 15.9%   | 1                       | 1           | 2     | Short-term on-the-job training          |
| 25-9041  | Teacher Assistants   | 1,372              | 1,430 | 58                   | 4.2%    | 6                       | 27          | 33    | Short-term on-the-job training          |
| 25-3999  | Teachers, Primary, Secondary, and Adult, All Other                                 | 463                | 552   | 89                   | 19.2%   | 9                       | 6           | 15    | Bachelor's degree                       |
| 51-2092  | Team Assemblers  | 479                | 417   | -62                  | -12.9%  | 0                       | 12          | 12    | Moderate-term on-the-job training       |
| 27-3042  | Technical Writers  | 20                 | 25    | 5                    | 25.0%   | 1                       | 1           | 2     | Bachelor's degree                       |
| 49-2022  | Telecommunications Equipment Installers and Repairers, Except Line Installers      | 157                | 146   | -11                  | -7.0%   | 0                       | 3           | 3     | Long-term on-the-job training           |
| 49-9052  | Telecommunications Line Installers and Repairers                                   | 92                 | 85    | -7                   | -7.6%   | 0                       | 3           | 3     | Long-term on-the-job training           |
| 41-9041  | Telemarketers  | 276                | 234   | -42                  | -15.2%  | 0                       | 5           | 5     | Short-term on-the-job training          |
| 43-3071  | Tellers  | 430                | 447   | 17                   | 4.0%    | 2                       | 21          | 23    | Short-term on-the-job training          |
| 51-6061  | Textile Bleaching and Dyeing Machine Operators and Tenders                         | 13                 | 8     | -5                   | -38.5%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 51-6063  | Textile Knitting and Weaving Machine Setters, Operators, and Tenders               | 65                 | 41    | -24                  | -36.9%  | 0                       | 1           | 1     | Long-term on-the-job training           |
| 51-6064  | Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders | 58                 | 37    | -21                  | -36.2%  | 0                       | 1           | 1     | Moderate-term on-the-job training       |
| 47-2044  | Tile and Marble Setters  | 14                 | 15    | 1                    | 7.1%    | 0                       | 0           | 0     | Long-term on-the-job training           |
| 49-3093  | Tire Repairers and Changers  | 114                | 121   | 7                    | 6.1%    | 1                       | 5           | 6     | Short-term on-the-job training          |
| 23-2093  | Title Examiners, Abstractors, and Searchers  | 19                 | 16    | -3                   | -15.8%  | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 51-4194  | Tool Grinders, Filers, and Sharpeners  | 12                 | 11    | -1                   | -8.3%   | 0                       | 0           | 0     | Moderate-term on-the-job training       |
| 39-6021  | Tour Guides and Escorts  | 40                 | 49    | 9                    | 22.5%   | 1                       | 1           | 2     | Moderate-term on-the-job training       |
| 13-1073  | Training and Development Specialists   | 164                | 195   | 31                   | 18.9%   | 3                       | 3           | 6     | Bachelor's degree                       |
| 53-6099  | Transportation Workers, All Other  | 42                 | 45    | 3                    | 7.1%    | 0                       | 1           | 1     | Short-term on-the-job training          |
| 11-3071  | Transportation, Storage, and Distribution Managers                                 | 89                 | 93    | 4                    | 4.5%    | 0                       | 2           | 2     | Work experience in a related occupation |



**Employment and Job Openings for All Occupations in Northeastern 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 |   |
| 41-3041  | Travel Agents   | 35                 | 24    | -11                  | -31.4%  | 0                       | 1           | 1     | Postsecondary vocational award          |
| 37-3013  | Tree Trimmers and Pruners   | 80                 | 79    | -1                   | -1.3%   | 0                       | 2           | 2     | Short-term on-the-job training          |
| 53-3032  | Truck Drivers, Heavy and Tractor-Trailer                                | 2,385              | 2,480 | 95                   | 4.0%    | 10                      | 39          | 49    | Moderate-term on-the-job training       |
| 53-3033  | Truck Drivers, Light or Delivery Services                               | 856                | 937   | 81                   | 9.5%    | 8                       | 8           | 16    | Short-term on-the-job training          |
| 27-2023  | Umpires, Referees, and Other Sports Officials                           | 11                 | 16    | 5                    | 45.5%   | 1                       | 0           | 1     | Long-term on-the-job training           |
| 51-6093  | Upholsterers  | 37                 | 32    | -5                   | -13.5%  | 0                       | 1           | 1     | Long-term on-the-job training           |
| 19-3051  | Urban and Regional Planners   | 12                 | 13    | 1                    | 8.3%    | 0                       | 0           | 0     | Master's degree                         |
| 39-3031  | Ushers, Lobby Attendants, and Ticket Takers                             | 22                 | 28    | 6                    | 27.3%   | 1                       | 1           | 2     | Short-term on-the-job training          |
| 29-1131  | Veterinarians   | 46                 | 56    | 10                   | 21.7%   | 1                       | 1           | 2     | First Professional degree               |
| 31-9096  | Veterinary Assistants and Laboratory Animal Caretakers                  | 243                | 327   | 84                   | 34.6%   | 8                       | 5           | 13    | Short-term on-the-job training          |
| 29-2056  | Veterinary Technologists and Technicians                                | 43                 | 59    | 16                   | 37.2%   | 2                       | 1           | 3     | Associate degree                        |
| 25-2023  | Vocational Education Teachers, Middle School                            | 13                 | 12    | -1                   | -7.7%   | 0                       | 0           | 0     | Bachelor's degree plus work experience  |
| 25-1194  | Vocational Education Teachers, Postsecondary                            | 52                 | 59    | 7                    | 13.5%   | 1                       | 1           | 2     | Work experience in a related occupation |
| 25-2032  | Vocational Education Teachers, Secondary School                         | 44                 | 40    | -4                   | -9.1%   | 0                       | 1           | 1     | Bachelor's degree plus work experience  |
| 35-3031  | Waiters and Waitresses  | 1,832              | 2,004 | 172                  | 9.4%    | 17                      | 94          | 111   | Short-term on-the-job training          |
| 51-8031  | Water and Liquid Waste Treatment Plant and System Operators             | 108                | 108   | 0                    | 0.0%    | 0                       | 4           | 4     | Long-term on-the-job training           |
| 43-5111  | Weighers, Measurers, Checkers, and Samplers, Recordkeeping              | 39                 | 40    | 1                    | 2.6%    | 0                       | 1           | 1     | Short-term on-the-job training          |
| 51-4121  | Welders, Cutters, Solderers, and Brazers                                | 201                | 193   | -8                   | -4.0%   | 0                       | 6           | 6     | Long-term on-the-job training           |
| 51-4122  | Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders | 93                 | 84    | -9                   | -9.7%   | 0                       | 3           | 3     | Moderate-term on-the-job training       |
| 13-1022  | Wholesale and Retail Buyers, Except Farm Products                       | 185                | 183   | -2                   | -1.1%   | 0                       | 5           | 5     | Work experience in a related occupation |
| 51-7099  | Woodworkers, All Other  | 51                 | 38    | -13                  | -25.5%  | 0                       | 2           | 2     | Moderate-term on-the-job training       |
| 51-7042  | Woodworking Machine Setters, Operators, and Tenders, Except Sawing      | 179                | 132   | -47                  | -26.3%  | 0                       | 5           | 5     | Moderate-term on-the-job training       |
| 43-9022  | Word Processors and Typists   | 171                | 81    | -90                  | -52.6%  | 0                       | 4           | 4     | Moderate-term on-the-job training       |
| 27-3043  | Writers and Authors   | 86                 | 91    | 5                    | 5.8%    | 1                       | 2           | 3     | Bachelor's degree                       |
| 19-1023  | Zoologists and Wildlife Biologists                                      | 33                 | 35    | 2                    | 6.1%    | 0                       | 1           | 1     | Bachelor's degree                       |

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



**MAINE**  
**DEPARTMENT OF**  
**LABOR**  
*Labor Market Information*

*19 Union Street  
P.O. Box 259  
Augusta, Maine 04332-0259  
207-287-2271*

**John Dorrer**  
Division Director  
Phone: 287-2271  
E-mail: john.dorrer@Maine.gov

**Michael A. Adams**  
Deputy Division Director  
Programs and Operations Research  
Phone: 287-1258  
E-mail: michael.a.adams@Maine.gov

**Dana Evans**  
State Labor Economist  
Phone: 287-2858  
E-mail: dana.evans@Maine.gov

**Robert Kelley**  
Operations Manager  
Phone: 287-1254  
E-mail: bob.kelley@Maine.gov

**District Managers for Labor  
Market Information**

**North/East District:** *Craig Holland*  
Maine Department of Labor  
Labor Market Information Services  
45 Oak Street, Suite # 3  
Bangor, ME 04401  
Phone: 941-3076  
FAX: 941-3077  
E-mail: craig.holland@Maine.gov

**Central District:** *Ken Bridges*  
Maine Department of Labor  
Labor Market Information Services  
2 Anthony Avenue  
109 State House Station  
Augusta, ME 04333-0109  
Phone: 624-5199  
FAX: 624-5136  
E-mail: ken.bridges@Maine.gov

**Western District:** *Gerard F. Dennison*  
Maine Department of Labor  
Labor Market Information Services  
5 Mollison Way  
Lewiston, ME 04240-5805  
Phone: 753-9045  
FAX: 753-9047  
E-mail: gerard.dennison@Maine.gov

**Southern District:** *Gerard Dennison*  
Maine Department of Labor  
Labor Market Information Services  
5 Mollison Way  
Lewiston, ME 04240-5805  
Phone: 753-9045  
FAX: 753-9047  
E-mail: gerard.dennison@Maine.gov

FAX (207) 287-2947  
TTY 1-800-794-1110  
Web site address: [www.Maine.gov/labor/lmis](http://www.Maine.gov/labor/lmis)  
E-mail address: [lmis.me@Maine.gov](mailto:lmis.me@Maine.gov)

