

# New Hampshire Economic Conditions

March 2012

## High Technology Employment: Part II – An Occupational Outlook

The term “high technology” is used to describe a variety of products, processes, and workers, but most commonly it is used to describe new and cutting edge developments utilizing scientific and technical knowledge. While almost all jobs today require a higher degree of technological ability than in the past, occupations such as scientists, engineers, and technologists require deeper knowledge of technology.

In the December 2011 issue of Economic Conditions, 2010 high tech employment by industry in New Hampshire was evaluated, using a definition released by the Bureau of Labor Statistics in 2005. This high tech employment definition was based on industries with a high concentration of technology-

oriented occupations, as compared to all occupations in the industry. As noted in that article, one of the reasons for the interest in high tech is that these industries typically pay higher-than-average wages. Another reason to focus on high tech, and its related occupations, is the continued drive toward the use of technology in business solutions. Coming out of the Great Recession, businesses and government institutions are embracing technology as a way to make operations more efficient, increasing productivity without increasing manpower. The question is, how do technological innovations in business operations translate into job prospects for workers in high technology occupations?

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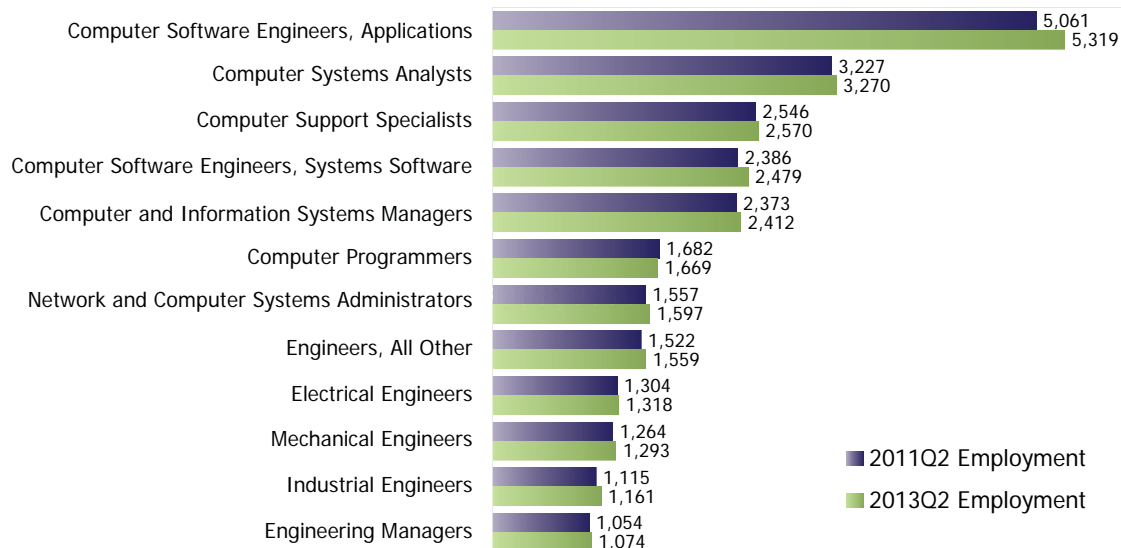
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### Top High Technology Occupations by Employment



Source: Short-term Projections by Occupation. New Hampshire Employment Security, Economic and Labor Market Information Bureau

## New Hampshire Short-Term Occupational Projections, 2011Q2 to 2013Q2

| SOC Code                           | Occupation Title                               | 2011Q2 Employment | 2013Q2 Employment | Change       | Average Annual     |                      |                            |                |
|------------------------------------|--|-------------------|-------------------|--------------|--------------------|----------------------|----------------------------|----------------|
|                                    |  |                   |                   |              | Annual Growth Rate | Openings from Growth | Openings from Replacements | Total Openings |
| <b>Total, All Occupations</b>      |  | <b>671,313</b>    | <b>679,088</b>    | <b>7,775</b> | <b>0.6%</b>        | <b>4,650</b>         | <b>15,417</b>              | <b>20,067</b>  |
| <b>High technology occupations</b> |  | <b>37,296</b>     | <b>38,190</b>     | <b>894</b>   | <b>1.2%</b>        | <b>470</b>           | <b>674</b>                 | <b>1,144</b>   |
| 11-3021                            | Computer and Information Systems Managers      | 2,373             | 2,412             | 39           | 0.8%               | 20                   | 30                         | 50             |
| 11-9041                            | Engineering Managers                           | 1,054             | 1,074             | 20           | 0.9%               | 10                   | 20                         | 30             |
| 11-9121                            | Natural Sciences Managers                      | 94                | 95                | 1            | 0.5%               | 1                    | 3                          | 4              |
| 15-0000                            | Computer and Mathematical Occupations          | 19,261            | 19,821            | 560          | 1.4%               | 289                  | 286                        | 575            |
| 17-2000                            | Engineers                                      | 7,370             | 7,565             | 195          | 1.3%               | 101                  | 155                        | 256            |
| 17-3000                            | Drafters, engineering, and mapping technicians | 4,001             | 4,040             | 39           | 0.5%               | 23                   | 79                         | 102            |
| 19-1000                            | Life scientists                                | 966               | 976               | 10           | 0.5%               | 6                    | 22                         | 28             |
| 19-2000                            | Physical scientists                            | 1,080             | 1,094             | 14           | 0.6%               | 10                   | 31                         | 41             |
| 19-4000                            | Life, physical, and social science technicians | 1,097             | 1,113             | 16           | 0.7%               | 10                   | 48                         | 58             |

### Short-Term Outlook in High-Tech: 2011 Q2 – 2013 Q2

Employment prospects in high tech occupations are generally positive, as evidenced by above-average expected growth, high educational requirements, and above-average wages.

**Strong growth.** The annual growth rate for all occupations is projected to be 0.6 percent from 2011 Q2 to 2013 Q2. In comparison, the annual growth rate for high technology occupations is 1.2 percent. Employment for *Engineers* and *Computer and mathematical* occupations is expected to grow at a rate more than double the average for all occupations. These two high tech occupational groups had an estimated 7,370 and 19,261 workers, respectively, in 2011 Q2, accounting for more than 70 percent of all high tech occupational

High technology occupations are not a standard occupational group, but a mix of occupations from four different job families. According to the 2005 definition of high tech employment from BLS, technology-oriented occupations are those in the scientific, engineering, and technician fields.<sup>1</sup> The list of high tech occupations includes major and minor occupational groups, as well as individual occupations.<sup>2</sup> These occupational groups and individual occupations encompass 77 New Hampshire-specific occupations.

#### Major occupational group (job family):

- Computer and mathematical occupations (SOC 15-0000)

#### Minor occupational groups:

- Engineers (SOC 17-2000)
- Drafters, engineering, and mapping technicians (SOC 17-3000)
- Life scientists (SOC 19-1000)
- Physical scientists (SOC 19-2000)
- Life, physical, and social science technicians (SOC 19-4000)

#### Individual occupations:

- Computer and information systems managers (SOC 11-3021)
- Engineering managers (SOC 11-9041)
- Natural sciences managers (SOC 11-9121)

<sup>1</sup> Hecker, David E. "High-technology employment: a NAICS-based update." Monthly Labor Review, p. 58. July 2005. Bureau of Labor Statistics. Accessed December 19, 2011. <[www.bls.gov/opub/mlr/2005/07/art6full.pdf](http://www.bls.gov/opub/mlr/2005/07/art6full.pdf)>.

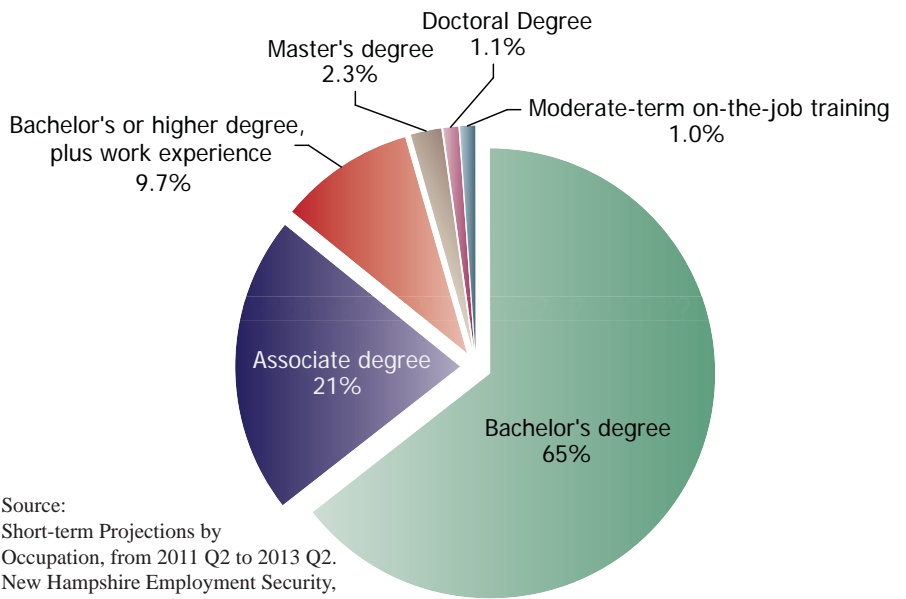
<sup>2</sup> Occupational Employment Statistics data for New Hampshire are not displayed at the minor occupational level.

employment in New Hampshire. Combined, high technology occupations are expected to have 1,144 openings annually through 2013 Q2, accounting for 5.7 percent of total projected annual openings

**Educational Attainment.** All of the high technology occupations require an Associate’s degree or higher level of education to qualify for employment, with the exception of *Surveying and mapping technicians* (SOC 17-3031), which requires work experience learned through on-the-job training. About two-thirds of employment in high technology occupations require at least a Bachelor’s degree, while one out of every five high tech positions requires an Associate’s degree.

**Higher Wages.** Based on Occupational Employment Statistics (OES) data from June 2011, the median hourly wage for all occupations was \$16.98. All of the high technology occupations (with available data) were above that rate of pay, with the exception of *Forest and conservation technicians*

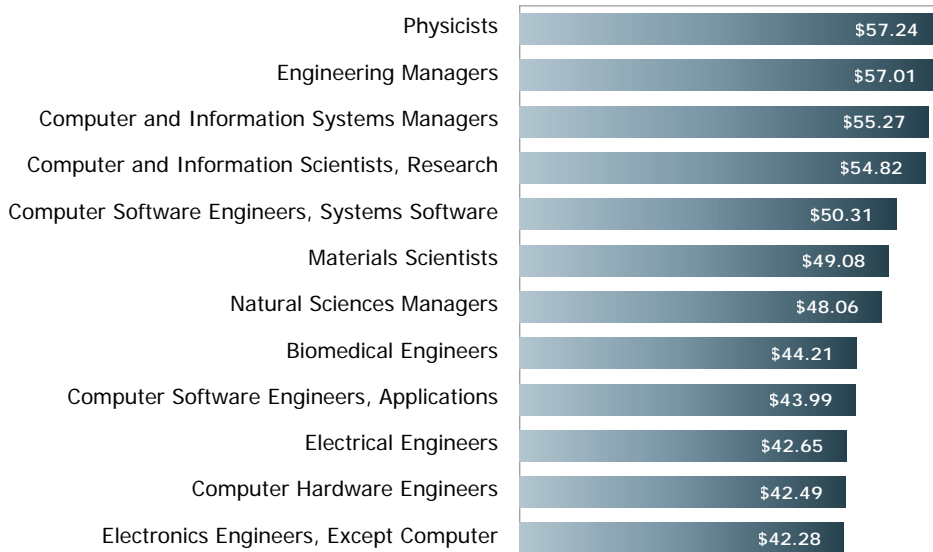
### Employment by Educational Attainment in High-Tech Occupations



and *Social science research assistants*. Since almost all of the high tech occupations require some postsecondary education, higher pay for high tech workers supports consistent evidence that higher education levels equate to higher earnings.

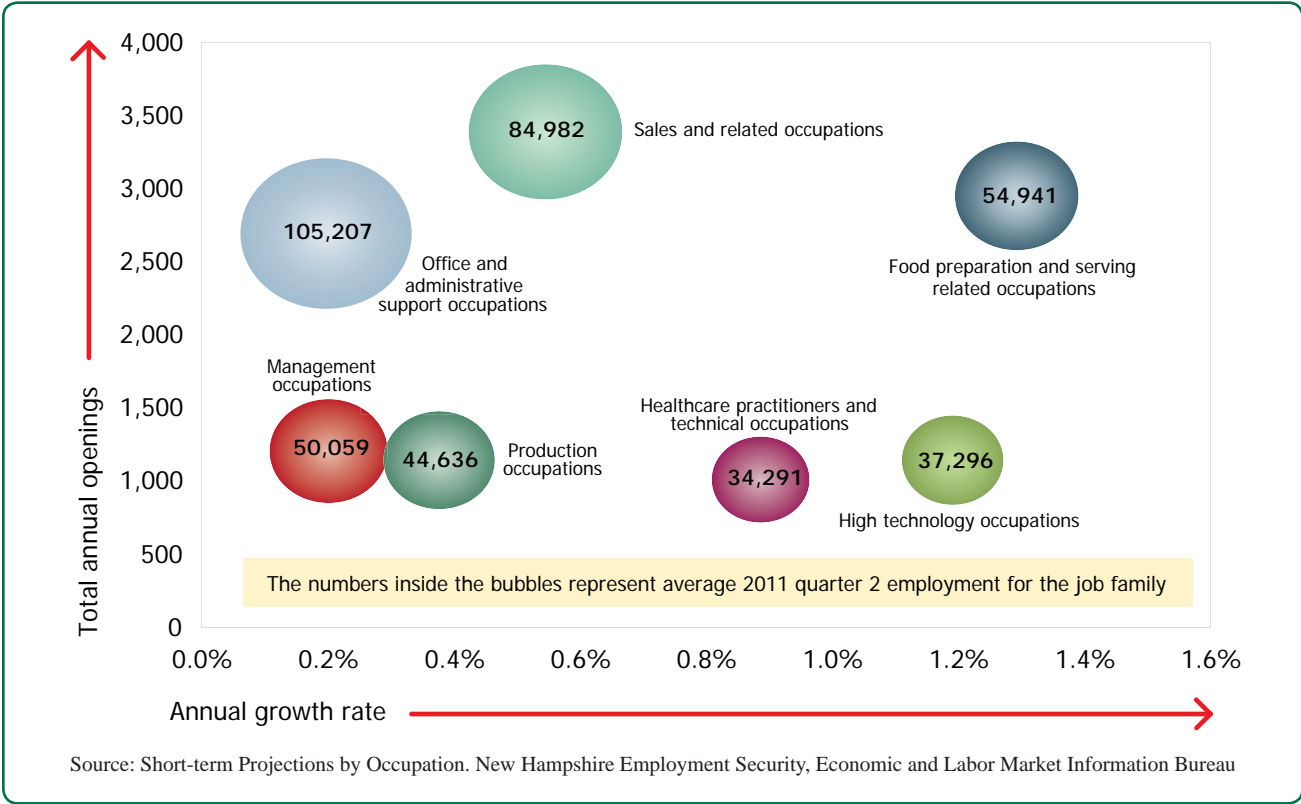
The outlook for many of the computer-related occupations is especially bright as both rates of pay and estimated employment levels are high. Out of the ten high tech occupations expected to have the most job opening annually, seven are computer-related.

### High-Tech Occupations by Median Hourly Wage



Source: Occupational Employment and Wages, May 2010 Survey Aged to June 2011 using Employment Cost Index factors. New Hampshire Employment Security, Economic and Labor Market Information Bureau

## High Technology Occupations Projected to Grow 1.2 Percent Annually from 2011 Q2 to 2013 Q2



In addition, *Network systems and data communications analysts* is expected to grow the fastest among the high tech occupations, with an annual average growth rate of 4.2 percent.

### Comparing high tech occupations to other major occupational groups

High tech is viewed as the engine for future technological innovations. Yet advanced technology is an integral part of other occupational areas, such as *Healthcare practitioner and technical* occupations as well as many *Production* occupations. In the short-term, through 2013 Q2, employment in *Health care practitioner and technical* occupations is projected to

grow at an annual rate of 0.9 percent, with an estimated 1,012 openings annually. Employment in *Production* occupations is only projected to grow at 0.4 percent annually, but it is estimated that this job family will still produce 1,144 annual openings, with about 75 percent of those openings expected from replacement needs. In comparison, for *Computer and mathematical* occupations, the number of openings due to replacement is equally divided between openings due to growth and openings expected from replacement needs.

From 2011 Q2 through 2013 Q2, the highest number of annual openings is expected in *Sales and related* occupations (3,390), *Food*

*preparation and serving related* occupations (2,952), and *Office and administrative support* occupations (2,695). The highest annual growth rates are expected for *Computer and mathematical* occupations (1.4 percent), and *Food preparation and serving related* occupations (1.3 percent).

### Looking for more information?

The 2011 Q2 – 2013 Q2 short-term projections data for all occupations and industries are available on our web site at

[www.nhes.nh.gov/elmi/products/proj.htm](http://www.nhes.nh.gov/elmi/products/proj.htm).

Annette Nielsen

## Seasonally Adjusted Estimates

### Unemployment Estimates by Region

| Seasonally Adjusted | Jan-12 | Dec-11 | Jan-11 |
|---------------------|--------|--------|--------|
| United States       | 8.3%   | 8.5%   | 9.1%   |
| Northeast           | 7.9%   | 8.0%   | 8.3%   |
| New England         | 7.2%   | 7.2%   | 8.1%   |
| Connecticut         | 8.0%   | 8.1%   | 9.3%   |
| Maine               | 7.0%   | 7.0%   | 8.0%   |
| Massachusetts       | 6.9%   | 6.9%   | 7.8%   |
| New Hampshire       | 5.2%   | 5.2%   | 5.6%   |
| Rhode Island        | 10.9%  | 11.0%  | 11.4%  |
| Vermont             | 5.0%   | 5.2%   | 6.0%   |
| Mid Atlantic        | 8.2%   | 8.2%   | 8.4%   |
| New Jersey          | 9.0%   | 9.1%   | 9.4%   |
| New York            | 8.3%   | 8.2%   | 8.2%   |
| Pennsylvania        | 7.6%   | 7.7%   | 8.0%   |

### Local Area Unemployment Statistics (LAUS) by Place of Residence

| New Hampshire                       | Aug-11  | Sep-11  | Oct-11  | Nov-11  | Dec-11  | Jan-12  |
|-------------------------------------|---------|---------|---------|---------|---------|---------|
| Unemployment Rate                   | 5.5%    | 5.4%    | 5.4%    | 5.3%    | 5.2%    | 5.2%    |
| Civilian Labor Force                | 737,690 | 738,700 | 739,740 | 740,610 | 741,410 | 742,310 |
| Number Employed                     | 697,030 | 698,470 | 700,080 | 701,540 | 702,900 | 704,080 |
| Number Unemployed                   | 40,660  | 40,230  | 39,660  | 39,070  | 38,510  | 38,230  |
| <b>United States (in thousands)</b> |         |         |         |         |         |         |
| Unemployment Rate                   | 9.1%    | 9.0%    | 8.9%    | 8.7%    | 8.5%    | 8.3%    |
| Civilian Labor Force                | 153,674 | 154,004 | 154,057 | 153,937 | 153,887 | 154,395 |
| Number Employed                     | 139,754 | 140,107 | 140,297 | 140,614 | 140,790 | 141,637 |
| Number Unemployed                   | 13,920  | 13,897  | 13,759  | 13,323  | 13,097  | 12,758  |

### Current Employment Statistics (CES) by Place of Establishment

| Supersector                          | Sep-11  | Oct-11  | Nov-11  | Dec-11  | Jan-12  |
|--------------------------------------|---------|---------|---------|---------|---------|
| Total Nonfarm                        | 623,900 | 625,600 | 627,600 | 626,700 | 632,900 |
| Mining and Logging                   | 900     | 900     | 900     | 900     | 1,000   |
| Construction                         | 21,200  | 21,400  | 21,700  | 22,400  | 23,400  |
| Manufacturing                        | 66,100  | 66,300  | 66,200  | 66,200  | 66,400  |
| Durable Goods                        | 50,800  | 51,100  | 51,000  | 51,100  | 51,400  |
| Non-Durable Goods                    | 15,300  | 15,200  | 15,200  | 15,100  | 15,000  |
| Trade, Transportation, and Utilities | 132,100 | 131,400 | 132,700 | 132,400 | 133,700 |
| Wholesale Trade                      | 26,200  | 26,400  | 26,500  | 26,100  | 26,900  |
| Retail Trade                         | 91,400  | 90,600  | 91,900  | 91,800  | 91,900  |
| Transportation and Utilities         | 14,500  | 14,400  | 14,300  | 14,500  | 14,900  |
| Information                          | 11,100  | 11,200  | 11,200  | 11,200  | 11,200  |
| Financial Activities                 | 35,100  | 35,000  | 34,900  | 34,700  | 34,700  |
| Real Estate and Rental and Leasing   | 6,900   | 6,900   | 6,800   | 6,700   | 6,600   |
| Professional and Business Services   | 64,500  | 64,900  | 65,300  | 65,300  | 66,200  |
| Administrative and Support           | 27,500  | 28,300  | 28,700  | 28,800  | 29,600  |
| Education and Health Services        | 113,700 | 114,400 | 114,200 | 114,100 | 114,400 |
| Educational Services                 | 28,900  | 29,400  | 29,100  | 29,000  | 29,000  |
| Health Care and Social Assistance    | 84,800  | 85,000  | 85,100  | 85,100  | 85,400  |
| Leisure and Hospitality              | 64,300  | 65,100  | 64,900  | 64,000  | 64,600  |
| Arts, Entertainment, and Recreation  | 11,300  | 11,700  | 11,200  | 10,500  | 10,900  |
| Accommodation and Food Services      | 53,000  | 53,400  | 53,700  | 53,500  | 53,700  |
| Other Services                       | 22,500  | 22,600  | 23,100  | 22,700  | 23,400  |
| Government                           | 92,400  | 92,400  | 92,500  | 92,800  | 93,900  |
| Federal Government                   | 7,400   | 7,400   | 7,400   | 7,300   | 7,300   |
| State Government                     | 24,500  | 24,300  | 24,400  | 24,700  | 24,700  |
| Local Government                     | 60,500  | 60,700  | 60,700  | 60,800  | 61,900  |
| Manchester NH MetroNECTA             | 98,100  | 98,700  | 98,400  | 98,700  | 98,200  |
| Nashua NH-MA NECTA Division          | 122,800 | 123,200 | 123,200 | 122,900 | 124,700 |
| Portsmouth NH-ME MetroNECTA          | 55,300  | 56,000  | 56,500  | 56,400  | 56,800  |
| Rochester-Dover NH-ME MetroNECTA     | 56,900  | 56,400  | 56,400  | 56,300  | 56,100  |

Current month is Preliminary  
Past months are Revised



## Not Seasonally Adjusted Estimates by Place of Residence

### Labor Force Estimates

| New Hampshire              | Jan-12  | Dec-11  | Jan-11  |
|----------------------------|---------|---------|---------|
| Total Civilian Labor Force | 739,670 | 737,350 | 734,440 |
| Employed                   | 697,520 | 700,970 | 688,990 |
| Unemployed                 | 42,150  | 36,380  | 45,450  |
| Unemployment Rate          | 5.7%    | 4.9%    | 6.2%    |

| United States (# in thousands) | Jan-12  | Dec-11  | Jan-11  |
|--------------------------------|---------|---------|---------|
| Total Civilian Labor Force     | 153,485 | 153,373 | 152,536 |
| Employed                       | 139,944 | 140,681 | 137,599 |
| Unemployed                     | 13,541  | 12,692  | 14,937  |
| Unemployment Rate              | 8.8%    | 8.3%    | 9.8%    |

### Unemployment Rates by Area

| Counties     | Jan-12 | Dec-11 | Jan-11 |
|--------------|--------|--------|--------|
| Belknap      | 6.1%   | 5.1%   | 7.0%   |
| Carroll      | 5.9%   | 5.3%   | 6.6%   |
| Cheshire     | 5.2%   | 4.5%   | 5.9%   |
| Coos         | 8.4%   | 7.3%   | 8.9%   |
| Grafton      | 4.3%   | 3.8%   | 5.0%   |
| Hillsborough | 5.8%   | 5.1%   | 6.2%   |
| Merrimack    | 5.2%   | 4.4%   | 5.8%   |
| Rockingham   | 6.2%   | 5.3%   | 6.5%   |
| Strafford    | 5.5%   | 4.6%   | 5.9%   |
| Sullivan     | 4.9%   | 4.3%   | 5.8%   |

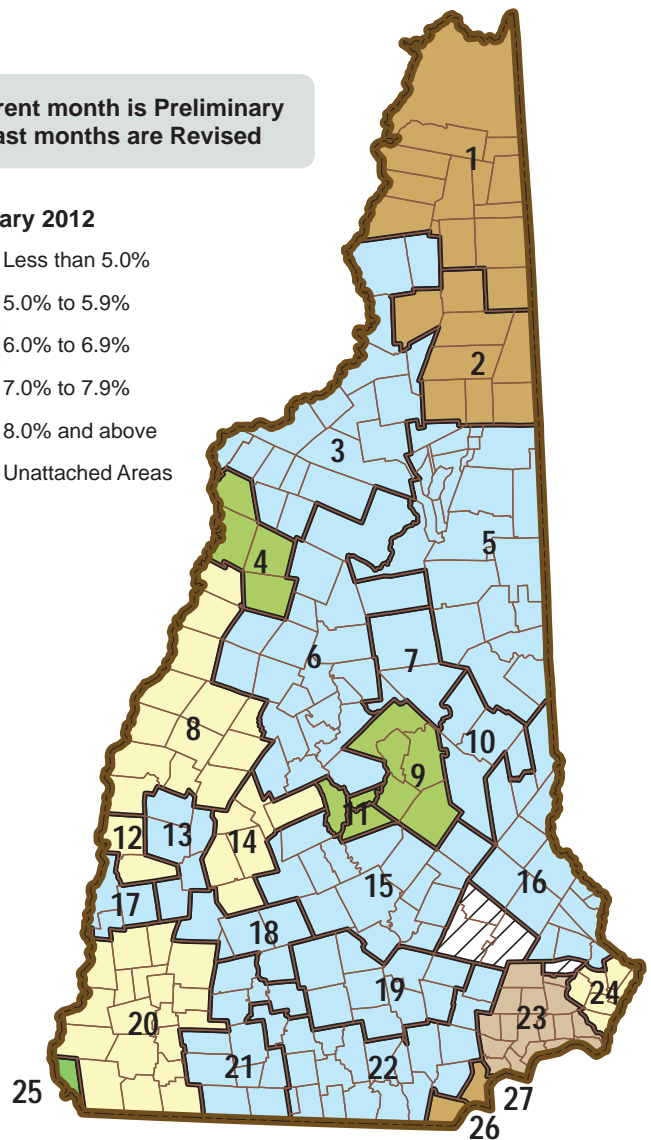
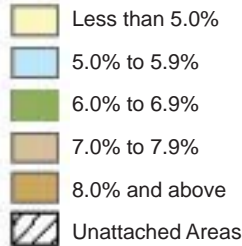
| Map Key | Labor Market Areas  | Jan-12 | Dec-11 | Jan-11 |
|---------|---|--------|--------|--------|
| 1       | Colebrook NH-VT LMA, NH Portion   | 8.3%   | 7.5%   | 6.9%   |
| 2       | Berlin NH MicroNECTA  | 9.5%   | 8.3%   | 10.8%  |
| 3       | Littleton NH-VT LMA, NH Portion   | 5.8%   | 5.1%   | 6.4%   |
| 4       | Haverhill NH LMA  | 6.0%   | 5.2%   | 6.8%   |
| 5       | Conway NH-ME LMA, NH Portion  | 5.9%   | 5.5%   | 6.8%   |
| 6       | Plymouth NH LMA   | 5.3%   | 4.6%   | 6.2%   |
| 7       | Moultonborough NH LMA   | 5.4%   | 4.4%   | 5.7%   |
| 8       | Lebanon NH-VT MicroNECTA, NH Portion  | 3.4%   | 3.0%   | 3.9%   |
| 9       | Laconia NH MicroNECTA   | 6.3%   | 5.4%   | 7.2%   |
| 10      | Wolfeboro NH LMA  | 5.5%   | 4.6%   | 6.1%   |
| 11      | Franklin NH MicroNECTA  | 6.3%   | 5.2%   | 7.3%   |
| 12      | Claremont NH MicroNECTA   | 4.9%   | 4.4%   | 6.1%   |
| 13      | Newport NH LMA  | 5.7%   | 5.0%   | 6.7%   |
| 14      | New London NH LMA   | 4.3%   | 3.5%   | 4.7%   |
| 15      | Concord NH MicroNECTA   | 5.2%   | 4.4%   | 5.8%   |
| 16      | Rochester-Dover NH-ME MetroNECTA, NH Portion                                | 5.6%   | 4.6%   | 5.9%   |
| 17      | Charlestown NH LMA  | 5.3%   | 4.7%   | 6.1%   |
| 18      | Hillsborough NH LMA   | 5.9%   | 4.8%   | 6.4%   |
| 19      | Manchester NH MetroNECTA  | 5.5%   | 4.8%   | 5.9%   |
| 20      | Keene NH MicroNECTA   | 4.9%   | 4.3%   | 5.5%   |
| 21      | Peterborough NH LMA   | 5.7%   | 5.0%   | 6.3%   |
| 22      | Nashua NH-MA NECTA Division, NH Portion                                     | 5.8%   | 5.1%   | 6.2%   |
| 23      | Exeter Area, NH Portion, Haverhill-N. Andover-Amesbury MA-NH NECTA Division | 7.0%   | 5.9%   | 7.4%   |
| 24      | Portsmouth NH-ME MetroNECTA, NH Portion                                     | 4.9%   | 4.4%   | 5.3%   |
| 25      | Hinsdale Town, NH Portion, Brattleboro VT-NH LMA                            | 6.8%   | 5.6%   | 8.8%   |
| 26      | Pelham Town, NH Portion, Lowell-Billerica-Chelmsford MA-NH NECTA Division   | 8.0%   | 6.7%   | 8.5%   |
| 27      | Salem Town, NH Portion, Lawrence-Methuen-Salem MA-NH NECTA Division         | 8.7%   | 7.4%   | 8.2%   |

### Unemployment Rates by Region

| Not Seasonally Adjusted | Jan-12 | Dec-11 | Jan-11 |
|-------------------------|--------|--------|--------|
| United States           | 8.8%   | 8.3%   | 9.8%   |
| Northeast               | 8.7%   | 7.7%   | 9.0%   |
| New England             | 7.9%   | 6.9%   | 8.9%   |
| Connecticut             | 8.5%   | 7.6%   | 9.9%   |
| Maine                   | 7.9%   | 7.0%   | 8.9%   |
| Massachusetts           | 7.7%   | 6.6%   | 8.6%   |
| New Hampshire           | 5.7%   | 4.9%   | 6.2%   |
| Rhode Island            | 11.7%  | 10.7%  | 12.3%  |
| Vermont                 | 5.6%   | 4.9%   | 6.9%   |
| Mid Atlantic            | 9.0%   | 8.0%   | 9.1%   |
| New Jersey              | 9.6%   | 8.7%   | 10.0%  |
| New York                | 9.2%   | 8.0%   | 8.9%   |
| Pennsylvania            | 8.3%   | 7.3%   | 8.7%   |

Current month is Preliminary  
Past months are Revised

#### January 2012



New Hampshire unemployment and labor force estimates are calculated using a regression model which depends on Current Population Survey (CPS) estimates. Labor Market Area estimates are calculated using the Bureau of Labor Statistics "Handbook Method" and then adjusted to the State levels.

## Monthly Analysis of Current Employment Statistics (CES)

### Seasonally Adjusted

New Hampshire's preliminary seasonally adjusted employment rose between December 2011 and January 2012, up 6,200 jobs. Over-the-month, trade, transportation, and utilities (supersector 40) increased by 1,300 jobs. Employment in government (supersector 90) gained 1,100 jobs from December to January. A milder than normal winter helped employers in construction (supersector 20) expand their workforces by 1,000 jobs, over-the-month. Professional and business services (supersector 60) added 900 jobs between December and January. Employment in other services (supersector 80) rose by 700 jobs, over-the-month.

Leisure and hospitality (supersector 70) increased by 600 jobs between December and January. Over-the-month, employers in private education and health services (supersector 65) added 300 jobs to their workforces.

These estimates continue to be volatile from month to month, and can be subject to significant revisions. Nonfarm payroll job data will be benchmarked to a lagging but more comprehensive

count of wage and salary jobs next winter. That data is collected through unemployment insurance tax filings of employers, and is generally available about five-to-seven months after any given month.

Over-the-year, preliminary seasonally adjusted employment increased by 7,600 jobs. Employers in leisure and hospitality expanded their workforces by 1,700 jobs between January 2011 and January 2012. Construction gained 1,400 jobs, over-the-year. Employment in private education and health services rose by 1,300 jobs between January 2011 and January 2012. Other services added 900 jobs, over-the-year. Between January 2011 and January 2012 government employment increased by 700 jobs. Employers in professional and business services gained 600 jobs, over-the-year.

From January 2011 to January 2012 employment in trade, transportation, and utilities rose by 500 jobs. Wholesale trade contributed to this growth, up 900 jobs. Employers in manufacturing and information each enlarged their workforces by 200 jobs, over-the-year.

### Unadjusted

Preliminary not seasonally adjusted employment decreased from December 2011 to January 2012, down 11,300 jobs. Employment in government (supersector 90) lost 4,400 jobs, over-the-month. From December to January employers in trade, transportation, and utilities (supersector 40) reduced their workforces by 4,300 jobs. Over-the-month, construction (supersector 20) lost 1,200 jobs. Employment in professional and business services (supersector 60) shrank by 800 jobs between December and January.

Private education and health services (supersector 65) lost 600 jobs, over-the-month. Manufacturing (supersector 30) decreased by 200 jobs between December and January.

Between December and January employment in financial activities (supersector 55) remained unchanged. Over-the-month, employers in leisure and hospitality (supersector 70) and other services (supersector 80) each added 200 jobs.

From January 2011 to January 2012 preliminary not seasonally adjusted employment increased by 6,600 jobs. Employers in leisure and hospitality added 2,500 jobs to their workforce, over-the-year. Employment in construction rose by 1,400 jobs between January 2011 and January 2012. Private education and health services gained 1,300 jobs, over-the-year.

Between January 2011 and January 2012 other services increased by 700 jobs. Employment in government expanded by 500 jobs, over-the-year.

*Gail Clay*

### New Hampshire Nonfarm Wage and Salary Employment Not Seasonally Adjusted

| Current Employment Statistics<br>Employment by Supersector<br>by place of establishment | Number of Jobs        |                   |         | Change from previous: |       |
|---|-----------------------|-------------------|---------|-----------------------|-------|
|   | Jan-12<br>preliminary | Dec-11<br>revised | Jan-11  | Month                 | Year  |
| Total All Supersectors  | 619,700               | 631,000           | 613,100 | -11,300               | 6,600 |
| Private Employment Total  | 527,200               | 534,100           | 521,100 | -6,900                | 6,100 |
| Mining and Logging  | 800                   | 900               | 800     | -100                  | 0     |
| Construction  | 21,000                | 22,200            | 19,600  | -1,200                | 1,400 |
| Manufacturing   | 65,700                | 65,900            | 65,800  | -200                  | -100  |
| Durable Goods   | 51,000                | 50,900            | 50,600  | 100                   | 400   |
| Non-Durable Goods   | 14,700                | 15,000            | 15,200  | -300                  | -500  |
| Trade, Transportation and Utilities   | 132,700               | 137,000           | 132,700 | -4,300                | 0     |
| Wholesale Trade   | 26,600                | 26,400            | 25,800  | 200                   | 800   |
| Retail Trade  | 91,600                | 95,500            | 92,300  | -3,900                | -700  |
| Transportation and Utilities  | 14,500                | 15,100            | 14,600  | -600                  | -100  |
| Information   | 11,100                | 11,200            | 11,000  | -100                  | 100   |
| Financial Activities  | 34,400                | 34,400            | 34,400  | 0                     | 0     |
| Professional and Business   | 64,300                | 65,100            | 64,100  | -800                  | 200   |
| Education and Health  | 113,900               | 114,500           | 112,600 | -600                  | 1,300 |
| Leisure and Hospitality   | 60,500                | 60,300            | 58,000  | 200                   | 2,500 |
| Other Services  | 22,800                | 22,600            | 22,100  | 200                   | 700   |
| Government Total  | 92,500                | 96,900            | 92,000  | -4,400                | 500   |

For further analysis please read the Detailed Monthly Analysis of Industry Employment Data on our Web site at [www.nh.gov/nhes/elmi/nonfarm.htm](http://www.nh.gov/nhes/elmi/nonfarm.htm)

## Not Seasonally Adjusted Estimates by Place of Establishment

### Nonfarm Employment by Metropolitan Statistical Areas

| Employment by Sector<br>number of jobs<br>by place of establishment | Manchester NH<br>MetroNECTA |                          |      | Nashua NH-MA<br>NECTA Division |                          |        | Portsmouth NH-ME<br>MetroNECTA |                          |       | Rochester-Dover NH-ME<br>MetroNECTA |                          |      |
|---|-----------------------------|--------------------------|------|--------------------------------|--------------------------|--------|--------------------------------|--------------------------|-------|-------------------------------------|--------------------------|------|
|   | preliminary<br>Jan-12       | Change from<br>previous: |      | preliminary<br>Jan-12          | Change from<br>previous: |        | preliminary<br>Jan-12          | Change from<br>previous: |       | preliminary<br>Jan-12               | Change from<br>previous: |      |
|   |                             | Month                    | Year |                                | Month                    | Year   |                                | Month                    | Year  |                                     | Month                    | Year |
| Total All Sectors   | 97,100                      | -2,600                   | 300  | 123,000                        | -1,600                   | -1,000 | 55,200                         | -900                     | 2,700 | 53,800                              | -3,400                   | 600  |
| Private Employment Total  | 85,900                      | -2,300                   | 800  | 108,100                        | -1,500                   | -1,200 | 45,500                         | -600                     | 2,600 | 41,500                              | -1,100                   | 300  |
| Mining and Logging and<br>Construction                              | 3,800                       | -200                     | 0    | 3,800                          | -400                     | -100   | 1,300                          | 0                        | 0     | 1,300                               | -100                     | 100  |
| Manufacturing   | 8,000                       | 0                        | -100 | 21,100                         | -100                     | -600   | 3,100                          | -100                     | -100  | 5,800                               | 0                        | -100 |
| Trade, Transportation<br>and Utilities                              | 18,700                      | -1,600                   | 200  | 28,200                         | -600                     | -400   | 11,000                         | -100                     | 500   | 10,100                              | -500                     | -200 |
| Wholesale Trade   | 4,100                       | 0                        | 100  | 5,500                          | 0                        | 100    | 1,900                          | 100                      | 100   | 1,200                               | 0                        | 0    |
| Retail Trade  | 12,200                      | -1,000                   | 300  | 18,800                         | -400                     | -500   | 8,000                          | -200                     | 300   | 8,100                               | -400                     | -100 |
| Transportation,<br>Warehousing and<br>Utilities                     | Data not available          |                          |      | 3,900                          | -200                     | 0      | 1,100                          | 0                        | 100   | 800                                 | -100                     | -100 |
| Information   | 3,300                       | 0                        | 0    | 1,900                          | 0                        | 100    | 2,000                          | 100                      | 100   | 900                                 | 0                        | 0    |
| Financial Activities  | 6,700                       | 0                        | -200 | 7,500                          | 0                        | 200    | 3,900                          | 0                        | 100   | 4,300                               | 0                        | 200  |
| Professional and Business   | 13,800                      | -100                     | 400  | 12,200                         | 0                        | -800   | 9,300                          | -200                     | 700   | 4,100                               | 0                        | 100  |
| Education and Health  | 19,500                      | 0                        | 300  | 18,400                         | 0                        | 200    | 7,100                          | 100                      | 400   | 8,600                               | -100                     | 100  |
| Leisure and Hospitality   | 7,900                       | -400                     | 100  | 10,000                         | -400                     | 100    | 6,200                          | -400                     | 800   | 4,500                               | -300                     | 0    |
| Other Services  | 4,200                       | 0                        | 100  | 5,000                          | 0                        | 100    | 1,600                          | 0                        | 100   | 1,900                               | -100                     | 100  |
| Government Total  | 11,200                      | -300                     | -500 | 14,900                         | -100                     | 200    | 9,700                          | -300                     | 100   | 12,300                              | -2,300                   | 300  |

### Employment, Hours, and Earnings Data for All Employees by Metropolitan Statistical Areas

| Sector  | Production Workers    |                   |         | Average Weekly Earnings |                   |            | Average Weekly Hours  |                   |        | Average Hourly Earnings |                   |         |
|---|-----------------------|-------------------|---------|-------------------------|-------------------|------------|-----------------------|-------------------|--------|-------------------------|-------------------|---------|
|   | Jan-12<br>preliminary | Dec-11<br>revised | Jan-11  | Jan-12<br>preliminary   | Dec-11<br>revised | Jan-11     | Jan-12<br>preliminary | Dec-11<br>revised | Jan-11 | Jan-12<br>preliminary   | Dec-11<br>revised | Jan-11  |
| <b>New Hampshire</b>                                |                       |                   |         |                         |                   |            |                       |                   |        |                         |                   |         |
| Total Private                                       | 527,200               | 534,100           | 521,100 | \$770.41                | \$769.91          | \$761.94   | 32.7                  | 33.2              | 32.8   | \$23.56                 | \$23.19           | \$23.23 |
| Goods Producing                                     | 87,500                | 89,000            | 86,200  | \$999.63                | \$1,021.28        | \$1,018.89 | 38.3                  | 39.6              | 38.8   | \$26.10                 | \$25.79           | \$26.26 |
| Private Service Providing                           | 439,700               | 445,100           | 434,900 | \$725.22                | \$719.03          | \$710.68   | 31.6                  | 31.9              | 31.6   | \$22.95                 | \$22.54           | \$22.49 |
| Manufacturing                                       | 65,700                | 65,900            | 65,800  | \$1,037.79              | \$1,054.04        | \$1,050.27 | 39.0                  | 40.4              | 39.0   | \$26.61                 | \$26.09           | \$26.93 |
| Trade, Transportation,<br>and Utilities             | 132,700               | 137,000           | 132,700 | \$687.49                | \$667.23          | \$605.68   | 33.8                  | 34.5              | 32.2   | \$20.34                 | \$19.34           | \$18.81 |
| Professional and<br>Business Services               | 64,300                | 65,100            | 64,100  | \$906.55                | \$902.78          | \$981.60   | 32.4                  | 32.9              | 34.6   | \$27.98                 | \$27.44           | \$28.37 |
| Education and<br>Health Services                    | 113,900               | 114,500           | 112,600 | \$821.31                | \$828.42          | \$742.25   | 32.8                  | 32.9              | 32.3   | \$25.04                 | \$25.18           | \$22.98 |
| Leisure and Hospitality                             | 60,500                | 60,300            | 58,000  | \$304.58                | \$303.97          | \$305.61   | 22.2                  | 22.4              | 23.1   | \$13.72                 | \$13.57           | \$13.23 |
| <b>Manchester NH MetroNECTA</b>                     |                       |                   |         |                         |                   |            |                       |                   |        |                         |                   |         |
| Total Private                                       | 85,900                | 88,200            | 85,100  | \$778.57                | \$777.15          | \$712.18   | 32.4                  | 33.0              | 30.5   | \$24.03                 | \$23.55           | \$23.35 |
| <b>Nashua NH-MA NECTA Division, NH Portion</b>      |                       |                   |         |                         |                   |            |                       |                   |        |                         |                   |         |
| Total Private                                       | 108,100               | 109,600           | 109,300 | \$951.51                | \$967.48          | \$954.94   | 34.5                  | 35.4              | 34.4   | \$27.58                 | \$27.33           | \$27.76 |
| <b>Portsmouth NH-ME MetroNECTA, NH Portion</b>      |                       |                   |         |                         |                   |            |                       |                   |        |                         |                   |         |
| Total Private                                       | 45,500                | 46,100            | 42,900  | \$760.75                | \$708.85          | \$767.08   | 30.7                  | 30.9              | 32.6   | \$24.78                 | \$22.94           | \$23.53 |
| <b>Rochester-Dover NH-ME MetroNECTA, NH Portion</b> |                       |                   |         |                         |                   |            |                       |                   |        |                         |                   |         |
| Total Private                                       | 41,500                | 42,600            | 41,200  | \$691.98                | \$695.76          | \$688.29   | 32.2                  | 33.1              | 31.4   | \$21.49                 | \$21.02           | \$21.92 |

### Employment, Hours, and Earnings Data for Production Workers in Manufacturing

|                      | All Employees         |                   |        | Average Weekly Earnings |                   |          | Average Weekly Hours  |                   |        | Average Hourly Earnings |                   |         |
|----------------------|-----------------------|-------------------|--------|-------------------------|-------------------|----------|-----------------------|-------------------|--------|-------------------------|-------------------|---------|
|                      | Jan-12<br>preliminary | Dec-11<br>revised | Jan-11 | Jan-12<br>preliminary   | Dec-11<br>revised | Jan-11   | Jan-12<br>preliminary | Dec-11<br>revised | Jan-11 | Jan-12<br>preliminary   | Dec-11<br>revised | Jan-11  |
| <b>New Hampshire</b> |                       |                   |        |                         |                   |          |                       |                   |        |                         |                   |         |
| Manufacturing        | 43,200                | 43,400            | 44,700 | \$760.35                | \$781.01          | \$755.46 | 41.1                  | 42.4              | 41.9   | \$18.50                 | \$18.42           | \$18.03 |
| Durable Goods        | 31,800                | 32,000            | 33,600 | \$738.57                | \$770.40          | \$764.78 | 41.1                  | 42.8              | 42.3   | \$17.97                 | \$18.00           | \$18.08 |



### Unemployment Compensation Claims Activity

| Initial Claims | Aug-11 | Sep-11 | Oct-11 | Nov-11 | Dec-11 | Jan-12 |
|----------------|--------|--------|--------|--------|--------|--------|
| All Offices    | 5,140  | 5,062  | 5,401  | 6,183  | 8,213  | 8,060  |

| Continued Claims | Aug-11 | Sep-11 | Oct-11 | Nov-11 | Dec-11 | Jan-12 |
|------------------|--------|--------|--------|--------|--------|--------|
| All Offices      | 47,490 | 37,772 | 41,950 | 40,659 | 44,242 | 65,098 |

### Consumer Price Index

| United States, All Urban Consumers,<br>Not Seasonally Adjusted (CPI-U) (1982-1984=100) |         |         |                      |      |
|--|---------|---------|----------------------|------|
| Jan-12   | Dec-11  | Jan-11  | Change from Previous |      |
|  |         |         | Month                | Year |
| 226.665  | 225.672 | 220.223 | 0.4%                 | 2.9% |

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