Connecticut Labor Market & Demographic Outlook
Planning Commission for Higher Education
Hartford, Connecticut

Connecticut Department of Labor

Sharon Palmer, Commissioner
Andy Condon, Director of Research
Patrick J. Flaherty, Economist

May 14, 2013
Outline

1. Current Situation / Historic Context
   - United States
   - Connecticut

2. Industry and Occupational Projections
   - United States
   - Connecticut

3. Population Changes

4. Importance of Education

U.S. Jobs Change from Previous Month
Through April 2013, Thousands
U.S. Employment Changes in the past 12 months

- Less than High School ↓ 227,000
- High School Graduates ↓ 315,000
- Some College ↑ 555,000
- College ↑ 1,498,000
Employment Change 1990 to 2012
Connecticut by Sector

U.S. Projected Employment Change
2010 to 2020, thousands of jobs
U.S. Occupations with Most Growth
Projected 2010 to 2020, thousands

- Registered Nurses
- Retail Salespersons
- Home Health Aides
- Personal Care Aides
- Office Clerks, General
- Food Prep and Serving
- Customer Service Representatives
- Heavy and Tractor-Trailer Truck Drivers
- Laborers and Movers, Hand
- Postsecondary Teachers
- Nursing Aides, Orderlies, and Attendants
- Childcare Workers
- Bookkeeping, Accounting, and Auditing Clerks
- Cashiers
- Elementary School Teachers
- Receptionists and Information Clerks
- Janitors and Cleaners
- Landscaping and Groundskeeping Workers
- Sales Representatives
- Construction Laborers
- Medical Secretaries
- First-Line Supervisors of Office Workers
- Carpenters
- Waiters and Waitresses
- Security Guards
- Teacher Assistants
- Accountants and Auditors
- Licensed Practical Nurses
- Physicians and Surgeons
- Medical Assistants

Selected New 2010 SOC Occupations

- Computer Network Support Specialists
- Computer Network Architects
- Nurse Practitioners
- Web Developers
- Phlebotomists
- Information Security Analysts
- Orderlies
- Fundraisers
- Nurse Anesthetists
- Transportation Security Screeners
- Magnetic Resonance Imaging Technologists
- Ophthalmic Medical Technicians
- Special Education Teachers, Preschool
- Exercise Physiologists
- Nurse Midwives
- Hearing Aid Specialists
- Solar Photovoltaic Installers
- Wind Turbine Service Technicians
- Genetic Counselors
Manufacturing Employment by Age
Connecticut Average 2011Q2 - 2012Q1

CT Occupations with Most Openings
Projected 2010 to 2020 Average Annual Openings
CT Occupations with Most Growth Openings
Projected 2010 to 2020 Average Annual Openings

- Personal Care Aides
- Registered Nurses
- Retail Salespersons
- Home Health Aides
- Childcare Workers
- Landscaping Workers
- Teacher Assistants
- Fast Food Workers
- Office Clerks, General
- Nursing Aids
- Elementary School Teachers
- Receptionists
- Laborers
- Janitors
- Office Worker Supervisors
- Waiters and Waitresses
- Customer Service Reps
- Preschool Teachers
- Cashiers
- Accounting Clerks
- Human Service Assistants
- Accountants and Auditors
- Gr. Teaching Assistants
- Medical Assistants
- Computer Systems Analysts

Patrick CT Jobs Trends

Occs w/Most Openings needing B.A. or More
Projected 2010 to 2020 Average Annual Openings

- Elementary School Teachers
- Accountants and Auditors
- Secondary School Teachers
- Gr. Teaching Assistants
- Middle School Teachers
- Securities Sales Agents
- Computer Systems Analysts
- Financial Managers
- Other Teachers
- Sales Managers
- Management Analysts
- Market Research Specialists
- Technical Sales Reps
- Financial Analysts
- Computer and Information Managers
- Software Developers, Apps
- Personal Financial Advisors
- Marketing Managers
- Medical and Health Services Managers
- School Social Workers
- Lawyers
- Recreation Workers
- Mechanical Engineers
- HR Specialists

Patrick CT Jobs Trends
In June 1998 Paul Krugman wrote,

“By 2005 or so, it will become clear that the Internet’s impact on the economy has been no greater than the fax machine’s.”
Connecticut Population
Age Groups

Annual Estimates Through 2011 -- 2015 & 2020 Projections

Connecticut Population 2000 vs. 2010
Connecticut Population 2000 vs. 2010

Connecticut Population Change
April 1, 2010 to July 1, 2012

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Change</strong></td>
<td>+16,250</td>
</tr>
<tr>
<td><strong>Births</strong></td>
<td>83,174</td>
</tr>
<tr>
<td><strong>Deaths</strong></td>
<td>65,102</td>
</tr>
<tr>
<td><strong>Natural Increase</strong></td>
<td>+18,072</td>
</tr>
<tr>
<td><strong>Net Migration</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Domestic</strong></td>
<td>-34,471</td>
</tr>
<tr>
<td><strong>International</strong></td>
<td>+33,660</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>-811</td>
</tr>
</tbody>
</table>
Current Situation / Historic Context
Industry and Occupational Projections
Population Changes
Importance of Education

Migration to and from Connecticut
2011 ACS: Lived in Another State or Country Last Year

Education Level

<table>
<thead>
<tr>
<th>Education Level</th>
<th>U.S. In past year</th>
<th>U.S. Since 2010</th>
<th>Connecticut Since 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than High School</td>
<td>↓ 227,000</td>
<td>↓ 3,347</td>
<td></td>
</tr>
<tr>
<td>High School Graduates</td>
<td>↓ 315,000</td>
<td>↓ 38,325</td>
<td></td>
</tr>
<tr>
<td>Some College</td>
<td>↑ 555,0000</td>
<td>↓ 13,488</td>
<td></td>
</tr>
<tr>
<td>College (B.A. or more)</td>
<td>↑ 1,498,000</td>
<td>↑ 41,216</td>
<td></td>
</tr>
</tbody>
</table>

Whose Recovery?
Employment Changes

Through April 2013

Patrick
CT Jobs Trends
## Employment and Unemployment Rate by Education

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Population</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td>1,772,249</td>
<td>1,730,116</td>
<td>1,718,308</td>
<td>1,734,227</td>
<td>1,707,990</td>
</tr>
<tr>
<td>Unemployment Rate</td>
<td>6.2</td>
<td>8.6</td>
<td>9.2</td>
<td>8.4</td>
<td>8.4</td>
</tr>
<tr>
<td><strong>Less than High School</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td>135,047</td>
<td>110,427</td>
<td>102,085</td>
<td>103,913</td>
<td>104,881</td>
</tr>
<tr>
<td>Unemployment Rate</td>
<td>16.0</td>
<td>20.0</td>
<td>24.0</td>
<td>21.0</td>
<td>24.0</td>
</tr>
<tr>
<td><strong>High School Diploma or GED</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td>493,848</td>
<td>462,297</td>
<td>462,344</td>
<td>465,282</td>
<td>421,836</td>
</tr>
<tr>
<td>Unemployment Rate</td>
<td>7.4</td>
<td>11.6</td>
<td>12.4</td>
<td>11.1</td>
<td>11.1</td>
</tr>
<tr>
<td><strong>Some College or Associates Degree</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td>439,706</td>
<td>440,450</td>
<td>433,869</td>
<td>414,107</td>
<td>426,456</td>
</tr>
<tr>
<td>Unemployment Rate</td>
<td>6.3</td>
<td>8.2</td>
<td>9.4</td>
<td>9.1</td>
<td>8.9</td>
</tr>
<tr>
<td><strong>Bachelor’s Degree or More</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td>703,647</td>
<td>716,942</td>
<td>720,010</td>
<td>750,925</td>
<td>754,817</td>
</tr>
<tr>
<td>Unemployment Rate</td>
<td>3.2</td>
<td>4.8</td>
<td>4.3</td>
<td>4.1</td>
<td>3.9</td>
</tr>
</tbody>
</table>

Data are for 12 months ending March.

For example, 2013 column is average of the 12 months April 2012 through March 2013.