Presenters

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• Department of Commerce
• Division of Workforce/NC Works

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• Department of Commerce
• Labor and Economic Division
Future Careers

- NC Sectors and Economy
- Regional Economies
- Areas of Innovation
- Resources
- Gig Economy
Hurricane Matthew
Disaster Recovery Information

Dial 2-1-1 from any telephone

or click here

Programs

- Business Development
- Employment Security
- Film
- Internation Trade
- Labor & Economic Analysis
- Rural Development
- Science, Technology Innovation
- Small Business
- Tourism
- Workforce
NC Economy

• NC has 2nd fastest IT cluster in U.S. (grown 26% since 2010)
• There are 3000 furniture establishments and the concentration of manufacturing is 3x the national average
• The state has the 6th fastest growing financial services sector in the U.S.
• Plastics and chemical manufacturing is 5x the national average. 76,000 workers in 900 businesses
• NC has the largest textile and mill cluster in the U.S. 700+ establishments with 32,800 workers

https://edpnc.com/industries/
NC Economy

- NC has one of the fastest **renewable energy** clusters in U.S. (smart grid, wind, solar, efficiency)
- Over 600 **life science, biotechnology, and pharmaceutical** companies with 61,000 employees
- NC **automotive** part manufacturing has grown 32% since 2011 and has the largest heavy duty truck manufacturing in the U.S.
- North Carolina continues to rank as the sixth most visited state for domestic **travel**.
NC Economy

- NC boasts the largest number of craft breweries in the American South, with more than 180 breweries and brewpubs
- Apple, Facebook, Google, and AT&T all have large datacenters in NC
North Carolina's Clean Energy Economy

NC Clean Energy: By the Numbers

26,154 FULL TIME JOBS in North Carolina
989 CLEAN ENERGY FIRMS

$7 BILLION in NC Revenue

45% increase since 2014

Source: 2015 NCSEA Clean Energy Industry Census
NC Jobs 2015-16

LMI: State Labor Market conditions Aug 2016
Selected Manufacturing Industries With Job Gains
August 2015–August 2016
(Not Seasonally Adjusted)

<table>
<thead>
<tr>
<th>Industry</th>
<th>Jobs Gain (Thousands)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food</td>
<td>3.4</td>
</tr>
<tr>
<td>Transportation Equipment</td>
<td>1.1</td>
</tr>
<tr>
<td>Furniture &amp; Related Product</td>
<td>1.0</td>
</tr>
<tr>
<td>Wood Product</td>
<td>0.6</td>
</tr>
<tr>
<td>Plastics &amp; Rubber Products</td>
<td>0.6</td>
</tr>
<tr>
<td>Machinery</td>
<td>0.4</td>
</tr>
</tbody>
</table>
Selected Service Industries With Job Gains
August 2015–August 2016
(Not Seasonally Adjusted)
Regional Economies

• These dozen regions have a combined population of more than 230 million people, including 215 million from the United States, or 70 percent of the U.S. population. Together, these dozen mega-regions produce more than $13 trillion dollars in economic output, equivalent to three-quarters of America’s total GDP.

http://www.citylab.com/work/2014/03/dozen-regional-powerhouses-driving-us-economy/8575/
• The Bos-Wash region generates $3.75 trillion in economic output, meaning that, if Bos-Wash were a separate country, it would be the fourth largest economy in the world, behind only the U.S., China, and Japan and ahead of Germany.

• The Bos-Wash corridor produces more than Germany, Chi-Pitts more than Brazil, and So-Cal more than all of Mexico.

http://www.citylab.com/work/2014/03/dozen-regional-powerhouses-driving-us-economy/8575/
Technology

- Provides convenience, personalization, more options
  - Blockbuster, Music Stores v. Itunes
  - Travel agents v. Orbitz
  - AT&T/Google fiber v. Dialup
Renaissance Spine Surgery - How it Works: Step 4

http://www.mazorrobotics.com/surgeons/how-it-works/
Leading global e-retailers in 2014, ranked by mobile commerce sales (in million U.S. dollars)

- Amazon.com Inc.: 16,800
- Apple Inc.: 14,000
- Jingdong Mall: 5,800
- Google Play: 4,400
- QVC: 1,860
- Walmart Stores Inc.: 1,430
- Otto Group: 1,350
- Suning Appliances Co. Ltd.: 1,350
- Sears Holdings Corp.: 900
- Xiaomi.com: 900

Mobile commerce sales in million U.S. dollars
Retail + Technology

How do Amazon customers spend their money?

- **Electronics**: $25.8 billion (That’s over 51 million Apple iPad 4s)
- **Grocery, Health, & Beauty**: $5.6 billion (That’s over 2.8 million bottles of 1966 Dom Pérignon)
- **Books**: $9 billion
- **Automotive Products**: $496 million
- **Apparel, Shoes, & Jewelry**: $5.2 billion
- **Toys, Kids, & Baby**: $2.2 billion
- **Sports**: $2.4 billion
- **Office Products**: $1.9 billion
- **Movies, Music, & Games**: $3.6 billion
- **Home, Garden, & Tools**: $5.6 billion
Energy

Offshore Wind for N.C.

North Carolina has more potential for offshore wind than any Atlantic state. Combine that with our world-class research institutions and existing green energy incentives, and North Carolina can chart a clean energy future, with offshore wind at the forefront.

- The United States generated 26 times more electricity from wind power in 2014 than it did in 2001.
- In 2014 alone, wind-generated electricity averted an estimated 143 million metric tons of carbon dioxide emissions –
- As much as would be produced by 37 typical coal-fired power plants.
Energy

• Sunstone Water: The Clean Water Unit is designed for a number of purification scenarios including surface water, saltwater intrusion, energy-water reclamation and disaster relief for emergency water usage.

• Delivered in a 40-foot container, the unit is mobile, remotely monitored and can withstand harsh weather conditions and earthquakes.
Career Quiz

• Presenter
  • https://play.kahoot.it/#/k/6b0cc083-c47f-4fc3-a7ba-57993b3c50ae

• Participant
  • Go to kahoot.it on your device
  • Enter code:
  • Enter screen name:
# Jobs in the Industries

## Manufacturing Sector

<table>
<thead>
<tr>
<th>Chemical Manufacturing</th>
<th>Plastics &amp; Rubber Manufacturing</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Packaging &amp; Filling Machine Operators</td>
<td>• Molding &amp; Casting Machine Setters</td>
</tr>
<tr>
<td>• Chemical Technicians</td>
<td>• Industrial Engineering Technicians</td>
</tr>
<tr>
<td>• Chemists</td>
<td>• Quality Assurance Inspectors</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Furniture Manufacturing</th>
<th>Textile Mills</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Sewing Machine Operator</td>
<td>• Industrial Twisting Machine Operator</td>
</tr>
<tr>
<td>• Woodworking Machine Setters</td>
<td>• Knitting Machine Operator</td>
</tr>
<tr>
<td>• Industrial Production Managers</td>
<td>• Industrial Machinery Mechanics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Machinery</th>
<th>Transportation Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Welders</td>
<td>• Team Assemblers</td>
</tr>
<tr>
<td>• Mechanical Engineers</td>
<td>• Industrial Engineers</td>
</tr>
<tr>
<td>• Computer-Controlled Machine Operators</td>
<td>• Machinists</td>
</tr>
</tbody>
</table>
# Jobs in the Industries

## Service Sector

<table>
<thead>
<tr>
<th>Financial Services</th>
<th>Information Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Loan Officers</td>
<td>• Software Developers</td>
</tr>
<tr>
<td>• Credit Analysts</td>
<td>• Database Administration</td>
</tr>
<tr>
<td>• Information Security Analysts</td>
<td>• Computer Network Support Specialists</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Healthcare</th>
<th>Professional &amp; Technical Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Registered Nurses</td>
<td>• Accountants &amp; Auditors</td>
</tr>
<tr>
<td>• Physician Assistants</td>
<td>• Paralegals &amp; Legal Assistants</td>
</tr>
<tr>
<td>• Radiologic Technologists</td>
<td>• Business Operations Specialists</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hospitality &amp; Tourism</th>
<th>Retail Trade</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Food Service Managers</td>
<td>• Customer Service Representatives</td>
</tr>
<tr>
<td>• Meeting, Convention &amp; Event Planners</td>
<td>• Retail Sales Workers</td>
</tr>
<tr>
<td>• Lodging Managers</td>
<td>• Store Managers</td>
</tr>
</tbody>
</table>
Career Tools from NC Dept. of Commerce

http://nccareers.org/
NCCareers.org

REALITY CHECK

Make budget choices and get a summary of state or county costs in 12 major expense categories. Link to occupations that provide salaries that match life choices.

nccareers.org/realitycheck/landing

NORTH CAROLINA STAR JOBS

Discover details about NC occupations based on up-to-date labor market information. Link to other sources of career and educational information.

Printable  Downloadable

nccareers.org/starjobs

Occupational Profiles

Explore a clearly written two-page summary for each of 550 occupations. Link to other sources of career and educational information.

Printable

nccommerce.com/lead/data-tools/occupations/occupational-profiles

OCCUPATIONS REQUIRING A LICENSE

Find out about licenses required for working in specific North Carolina careers. Includes licensing organization web links and contact information.

nccareers.org/OccLicenses/occ_2016.html
**EMPLOYMENT PROJECTIONS**

Explore 10-year estimates of projected trends in occupational and industry employment.

[Printable](nccareers.org/employmentprojections/) [Downloadable](industry_employment_projections.html)

**NC TOWER**

A Product of the NC Common Followup System

Discover educational, employment, and wage data for North Carolina’s community college and public university students.

[Printable](nctower.com/)

**North Carolina Career Clusters Guide**

Make good occupational decisions by connecting education and career goals through career clusters, career pathways, and other information. Link to other sources of career and educational information.

[Printable](nccareers.org/careerguide)

**STAFFING PATTERNS**

Identify which industries employ the most people in a specific occupation, and locate occupations most likely to be needed in a particular industry.

[Printable](nccareers.org/staffingpatterns/Staffing_Patterns.html)
Useful Websites

- Employment Projections
- NC Career Clusters Guide
- NC Reality Check
- NC TOWER
- Occupational Profiles
- Occupations Requiring a License
- Staffing Patterns
- Star Jobs

NCCareers.org/

Other Career Tools
- GetMyFuture careeronestop.org/getmyfuture/index.aspx
- My Next Move mynextmove.org/
- mySkills myFuture myskillsmyfuture.org/
- careeronestop careeronestop.org/
Gig Economy

• Examples: Uber, Lyft, TaskRabbit, Seamless, Snagajob
• Part time to Full time
• Growing Trend
• Direct Sales: Mary Kay, Pampered Chef, 31, Rodan & Fields, Norwex

Drive with Uber
Earn money on your schedule
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