Eastern NC is home to internationally recognized biotech organizations, medical device makers and pharmaceutical manufacturers, as well as leading academic institutions, medical schools, and healthcare facilities.

The academic heart of the region is East Carolina University, a Doctoral II research facility with schools of medicine, nursing, allied health sciences and dental medicine. The University's Heart Institute is a world leader in the development of minimally invasive robotic heart surgery and where the discovery occurred that linked Gastric Bypass surgery to elimination of diabetes. The University's College of Engineering & Technology is also a significant contributor. Linking the university and K-12 institutions is the national recognized North Carolina Community College System which offers specialized training programs in healthcare, biopharma manufacturing, bio-processing, and many other areas key to life sciences. Complementary middle and high school STEM education initiatives are pervasive throughout the region.

In addition, less than an hour to the west is Research Triangle Park - the nation's largest research park - and the resources of the University of North Carolina at Chapel Hill, North Carolina State University and Duke University.

**Why Life Science in Eastern NC?**

- Mid-Atlantic location, halfway between Boston and Miami
- Available buildings and sites suitable for biomanufacturing
- Excess water and sewer capacity in several communities
- Critical mass of bio-tech companies and a robust supply chain
- Array of 3PLs and trucking companies
- Extensive 4-lane highway network which connects to freeways and Interstate highways
- Reliable power and natural gas at competitive rates
- Recent labor study confirmed availability of qualified workers, familiar with cGMP, to support additional 400-employee biomanufacturing facility

**The NCEast Alliance**

is the lead economic development organization serving eastern North Carolina. We work with state, local and national economic development organizations to help existing industries expand; actively market to and assist in the recruitment of new businesses into the area; build regional economic capacity; and provide confidential site location assistance for companies seeking available industrial/office buildings and sites for expansion or relocation.
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- A articulated life sciences educational ladder, developed with guidelines from the life sciences community is in place including: Associate Degrees; BS programs in Biology, Biochemistry, Bioprocess Engineering and Industrial Technology, an MS in Biotechnology and a PhD in Microbiology

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<thead>
<tr>
<th>Occupation</th>
<th>Eastern NC</th>
<th>NC</th>
<th>USA</th>
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<tr>
<td>Biochemists and Biophysicists (19-1021)</td>
<td>$30.93</td>
<td>$41.91</td>
<td>$44.21</td>
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<tr>
<td>Biological Scientists, All Other (19-1029)</td>
<td>$35.19</td>
<td>$36.60</td>
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**Select Top Life Science Employers**

- Patheon
- Hospira
- Merck
- Fuji Silysia Chemical USA
- Metrics (Mayne Pharma)
- Sandoz (Novartis)
- BD (Becton Dickinson)
- West Pharmaceutical Services
- Aylward
- CTMG, Inc.
- RTI Surgical
- ArroGen, LLC
- Avoca
- Purdue Pharma

**Life Sciences Assets**

- 20+ employees

**Life Science Workforce Training**

- RESEARCH & DEVELOPMENT
- BIOPHARMACEUTICAL MANUFACTURING
- SPECIAL EDUCATION TRAINING CENTERS
- OTHER BIOSCIENCE MANUFACTURING
- LIFE SCIENCE SUPPLIERS & SERVICE PROVIDERS

**Marine Bio-technology**

- Marine Bio-Technologies Center of Innovation focusing on collaboration among Universities, scientific researchers, industry and funding organizations to aid in commercialization and new scientific discoveries
- Duke, UNC Chapel Hill and NC State Universities all have Marine Science Research Centers on the Crystal Coast
- NOAA Center for Coastal Fisheries and Habitat Research
- Coast of NC is the convergence of southern and northern aquatic species and possesses the second largest estuary system in the US

**NC Community College BioNetwork**

- Develops industry specific curricula for the bioscience cluster and provides worker training in the Capstone Center aspetic suite

**Biomanufacturing Training and Education Center (BTEC)**

- Provides a pilot-scale cell culture and purification suite, intermediate-scale unit operations and bioanalytical lab operating under cGMP practices

**Biomanufacturing Research Institute and Technology Enterprise (BRITE)**

- Research facility supporting education and training for analytical technology and drug development, QA, and QC. BRITE complements the cGMP training lab in the ECU Department of Chemistry.

**Biopharma Development & Manufacturing Center of Excellence**

- Operated by ECU and Pitt Community College - Will serve all facets of the present and future training expectations of the bio-pharmaceutical industry, particularly regarding GMP, and a variety of life science industries.

A recent labor analysis conducted by a leading bio-science site location consultant concluded that eastern NC has sufficient talent available to staff a 400 employee Biomanufacturing operation without any significant difficulties.
Life Sciences Wage Rates

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Source: NC Department of Commerce, Labor & Economic Analysis Division, Occupational Employment and Wage Rates, 2014