BU’s BEST
Biomedical Workforce Data 2019
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*These data can also be found online at www.bu.edu/BEST.*
*This work is supported by NIH Grant DP7OD02032, BU's BEST.*
Labor Insight™

About

Labor Insight™ is software offered by Burning Glass® Technologies. This tool allows educational institutions and others to analyze the job market so as to identify demand for specific jobs as well as the skills and credentials employers are seeking to fill the jobs. The data also enable analysis of regional demand and job trends. The information allows educational institutions to plan programming to meet employer needs. Moreover, trainees can use the data to identify training opportunities that will best prepare them to achieve their career goals.

As the search engine is constantly updated, the trend data (job postings/year) reported here doesn’t necessarily match the exact values reported in previous years. For the sake of consistency, each search was rerun for all the years reported (2011-2019) with the identical search terms so that the values can be compared with the most recent data.

Workflow

1. Craft a search based on various criteria: industry, job type, required credentials, skill demand, experience, location, etc.

2. View reports: top employers, top job titles, top job skills, education/credentials, job demand maps, job trends, etc.

Notes

All searches were performed such that the reported jobs require, prefer or suggest that the applicant earned a PhD.

Caveats & Disclaimers

Date ranges are January 2019 – December 2019 for job searches.

As the data are generated through job advertisements, small and midsized companies hiring small numbers of employees might not be listed in “top employers” but should not be ruled out.
Career Paths:
Job Trends Summary

Job postings by year
Teaching

Number of job postings (nationwide): 3,028
Top Job Titles: Teaching 2019

Assistant Professor of Biology: 679
Assistant Professor of Chemistry: 645
Adjunct Instructor: 219
Biology Lecturer: 161
Biology Instructor: 94
Professor of Chemistry: 84
Chemistry Instructor: 75
Professor of Biology: 69
Associate Professor of Chemistry: 55
Assistant Professor of Pharmacology: 36
Biology Faculty: 32
High School Physics Teacher: 31
Professor of Pharmacology: 26
High School Chemistry Teacher: 24
Associate Professor of Pharmacology: 21

Specialized (Hard) Skills: Teaching 2019

Teaching: 2,784
Biology: 1,713
Chemistry: 1,201
Biochemistry: 619
Physiology: 562
Anatomy: 406
Microbiology: 341
Molecular Biology: 323
Genetics: 298
Curriculum Development: 288
Organic Chemistry: 265
Physics: 227
Academic Advisement: 218
Cell Biology: 194
Environmental Science: 167
High Demand Areas by MSA: Teaching 2019

![Map showing high demand areas by MSA](image)

### TOP 15 HIRING REGIONS

<table>
<thead>
<tr>
<th>Metro Area</th>
<th>Job Postings</th>
</tr>
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<tbody>
<tr>
<td>New York-Newark-Jersey City, NY-NJ-PA (Metropolitan Statistical Area)</td>
<td>139</td>
</tr>
<tr>
<td>San Francisco-Oakland-Hayward, CA (Metropolitan Statistical Area)</td>
<td>122</td>
</tr>
<tr>
<td>Los Angeles-Long Beach-Anaheim, CA (Metropolitan Statistical Area)</td>
<td>98</td>
</tr>
<tr>
<td>Boston-Cambridge-Nashua, MA-NH (Metropolitan NECTA)</td>
<td>95</td>
</tr>
<tr>
<td>Chicago-Naperville-Egin, IL-IN-WI (Metropolitan Statistical Area)</td>
<td>80</td>
</tr>
<tr>
<td>Philadelphia-Camden-Wilmington, PA-NJ-DE-MD (Metropolitan Statistical Area)</td>
<td>66</td>
</tr>
<tr>
<td>Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area)</td>
<td>61</td>
</tr>
<tr>
<td>Seattle-Tacoma-Bellevue, WA (Metropolitan Statistical Area)</td>
<td>50</td>
</tr>
<tr>
<td>Phoenix-Mesa-Scottsdale, AZ (Metropolitan Statistical Area)</td>
<td>49</td>
</tr>
<tr>
<td>Cincinnati, OH-KY-IN (Metropolitan Statistical Area)</td>
<td>46</td>
</tr>
<tr>
<td>Miami-Fort Lauderdale-West Palm Beach, FL (Metropolitan Statistical Area)</td>
<td>42</td>
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<tr>
<td>Atlanta-Sandy Springs-Roswell, GA (Metropolitan Statistical Area)</td>
<td>41</td>
</tr>
<tr>
<td>Tampa-St. Petersburg-Clearwater, FL (Metropolitan Statistical Area)</td>
<td>41</td>
</tr>
<tr>
<td>Albuquerque, NM (Metropolitan Statistical Area)</td>
<td>35</td>
</tr>
<tr>
<td>San Antonio-New Braunfels, TX (Metropolitan Statistical Area)</td>
<td>35</td>
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