# BU's BEST

# Biomedical Workforce Data 2018

# 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.

## *Workflow*

1. Craft a search based on 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 or request a PhD.

## *Caveats & Disclaimers*

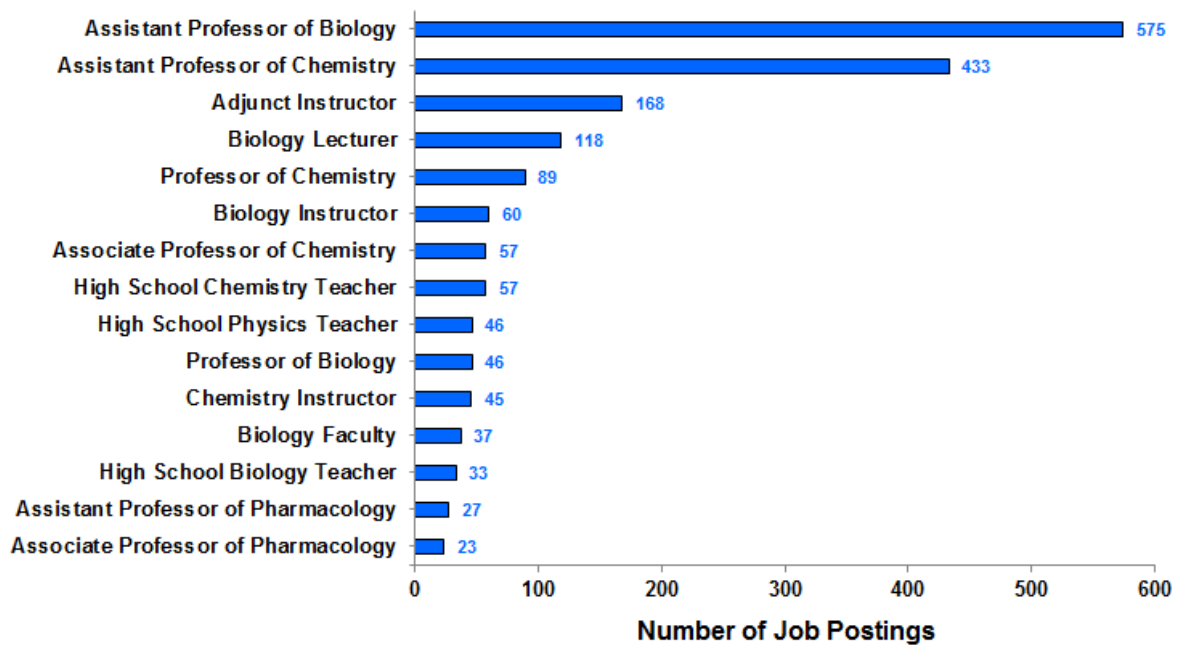Date ranges are January 2018 – December 2018 for job searches.

As the data are generated through job advertisements, small and mid-sized companies hiring small numbers of employees might not be listed in "top employers" but should not be ruled out.
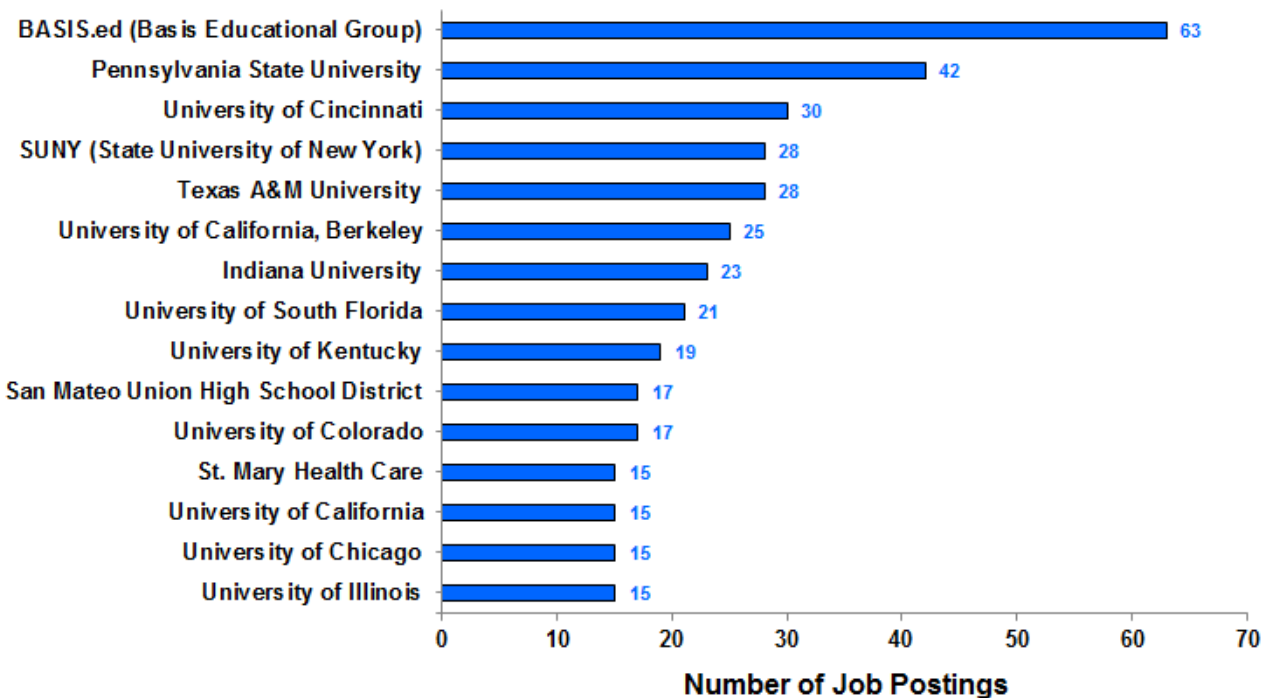
# Teaching

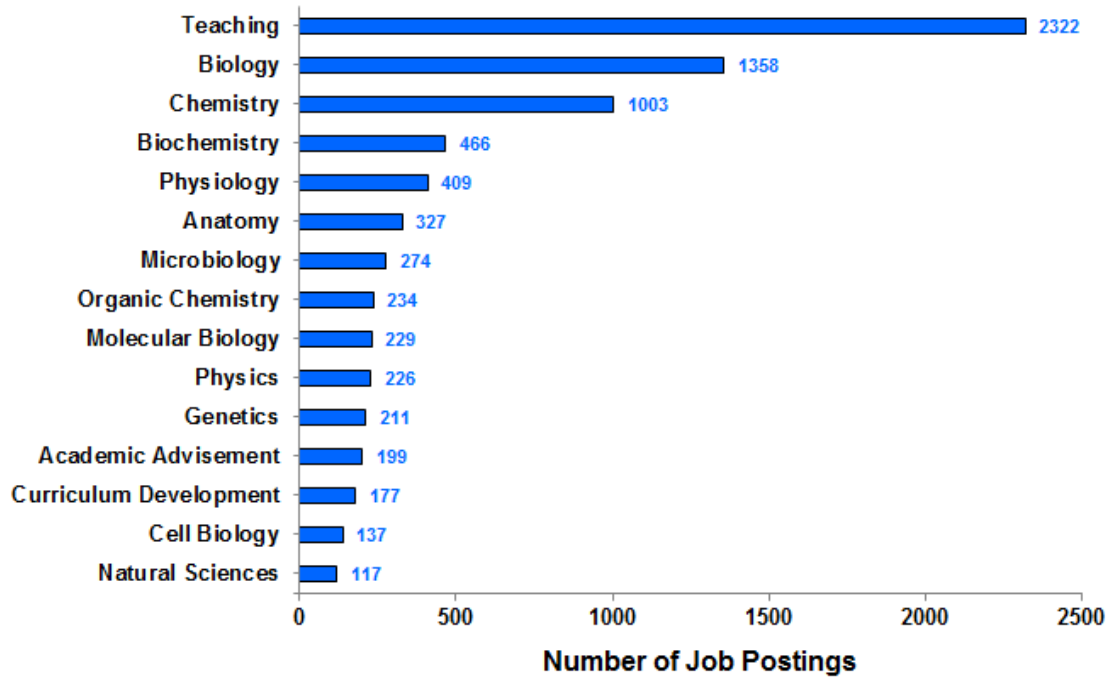Number of Jobs Postings in Search:
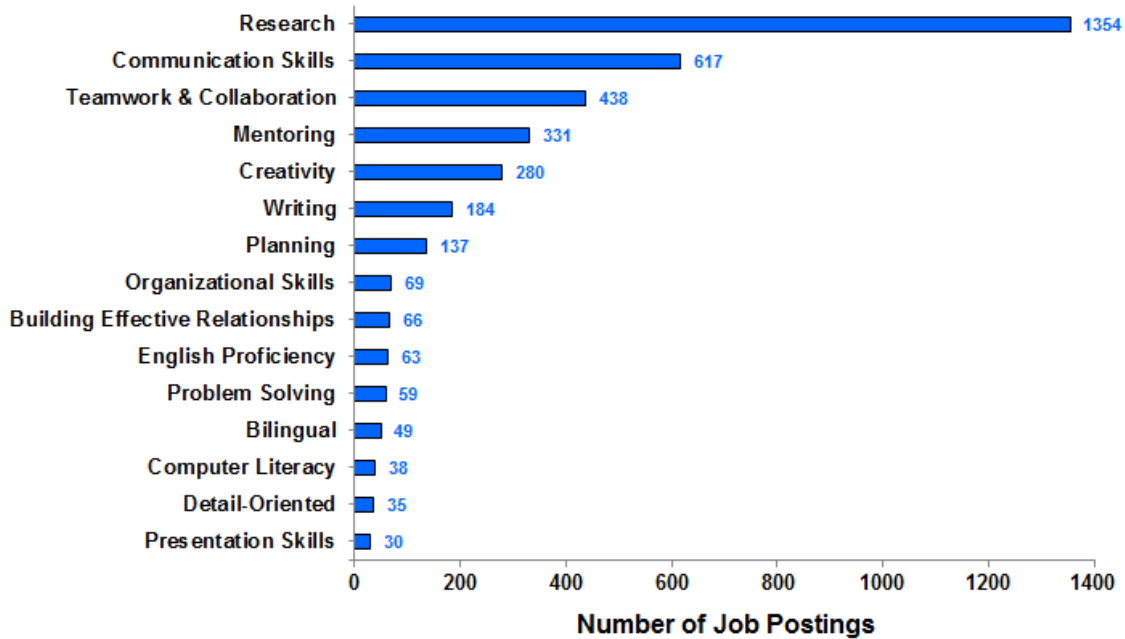
2,496

# Top Job Titles: Teaching

| Job Title | Number of Job Postings |
|---|---|
| Assistant Professor of Biology | 575 |
| Assistant Professor of Chemistry | 433 |
| Adjunct Instructor | 168 |
| Biology Lecturer | 118 |
| Professor of Chemistry | 89 |
| Biology Instructor | 60 |
| Associate Professor of Chemistry | 57 |
| High School Chemistry Teacher | 57 |
| High School Physics Teacher | 46 |
| Professor of Biology | 46 |
| Chemistry Instructor | 45 |
| Biology Faculty | 37 |
| High School Biology Teacher | 33 |
| Assistant Professor of Pharmacology | 27 |
| Associate Professor of Pharmacology | 23 |

# Top Employers: Teaching

| Employer | Number of Job Postings |
|---|---|
| BASIS.ed (Basis Educational Group) | 63 |
| Pennsylvania State University | 42 |
| University of Cincinnati | 30 |
| SUNY (State University of New York) | 28 |
| Texas A&M University | 28 |
| University of California, Berkeley | 25 |
| Indiana University | 23 |
| University of South Florida | 21 |
| University of Kentucky | 19 |
| San Mateo Union High School District | 17 |
| University of Colorado | 17 |
| St. Mary Health Care | 15 |
| University of California | 15 |
| University of Chicago | 15 |
| University of Illinois | 15 |

## Specialized (Hard) Skills: Teaching

| Skill | Number of Job Postings |
|---|---|
| Teaching | 2322 |
| Biology | 1358 |
| Chemistry | 1003 |
| Biochemistry | 466 |
| Physiology | 409 |
| Anatomy | 327 |
| Microbiology | 274 |
| Organic Chemistry | 234 |
| Molecular Biology | 229 |
| Physics | 226 |
| Genetics | 211 |
| Academic Advisement | 199 |
| Curriculum Development | 177 |
| Cell Biology | 137 |
| Natural Sciences | 117 |

## Baseline (Soft) Skills: Teaching

| Skill | Number of Job Postings |
|---|---|
| Research | 1354 |
| Communication Skills | 617 |
| Teamwork & Collaboration | 438 |
| Mentoring | 331 |
| Creativity | 280 |
| Writing | 184 |
| Planning | 137 |
| Organizational Skills | 69 |
| Building Effective Relationships | 66 |
| English Proficiency | 63 |
| Problem Solving | 59 |
| Bilingual | 49 |
| Computer Literacy | 38 |
| Detail-Oriented | 35 |
| Presentation Skills | 30 |

# Computer Skills: Teaching
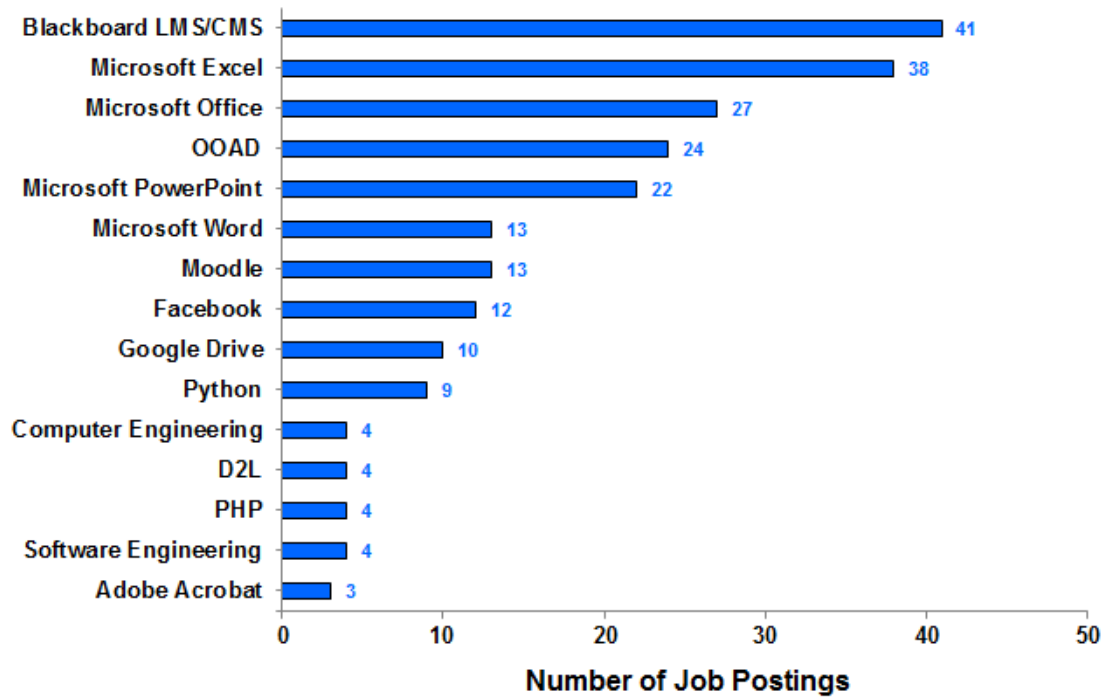


# Job Postings by Year: Teaching
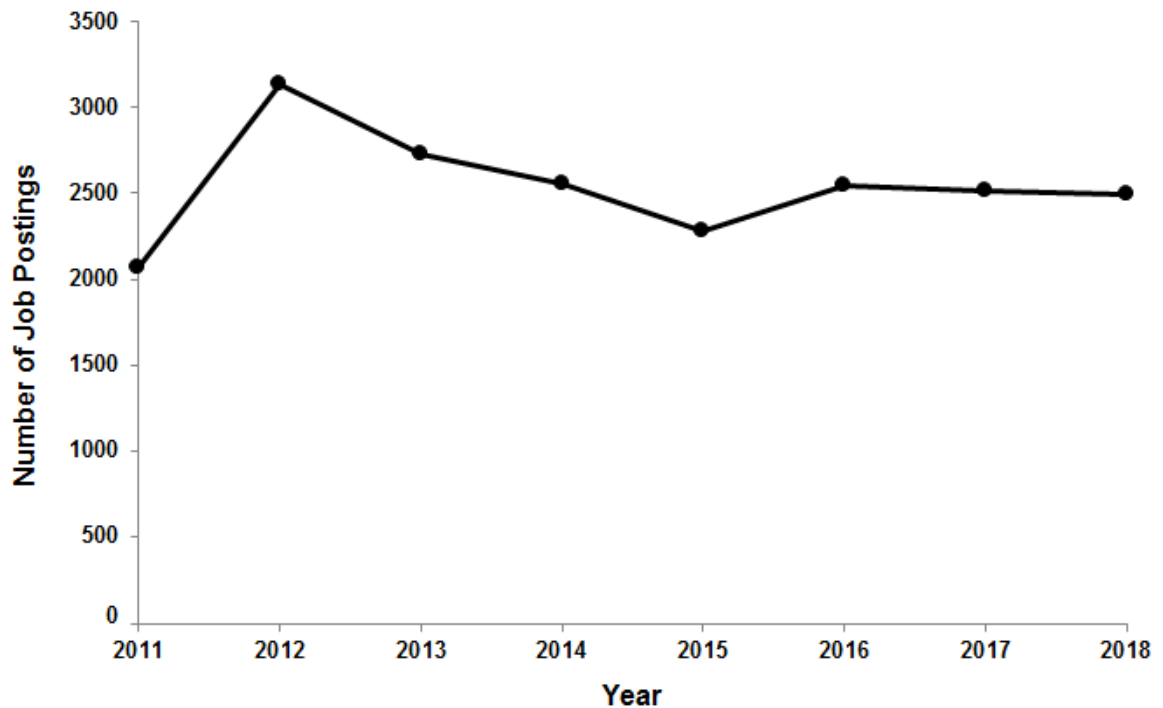
# High Demand Areas: Teaching



Key

High

Low
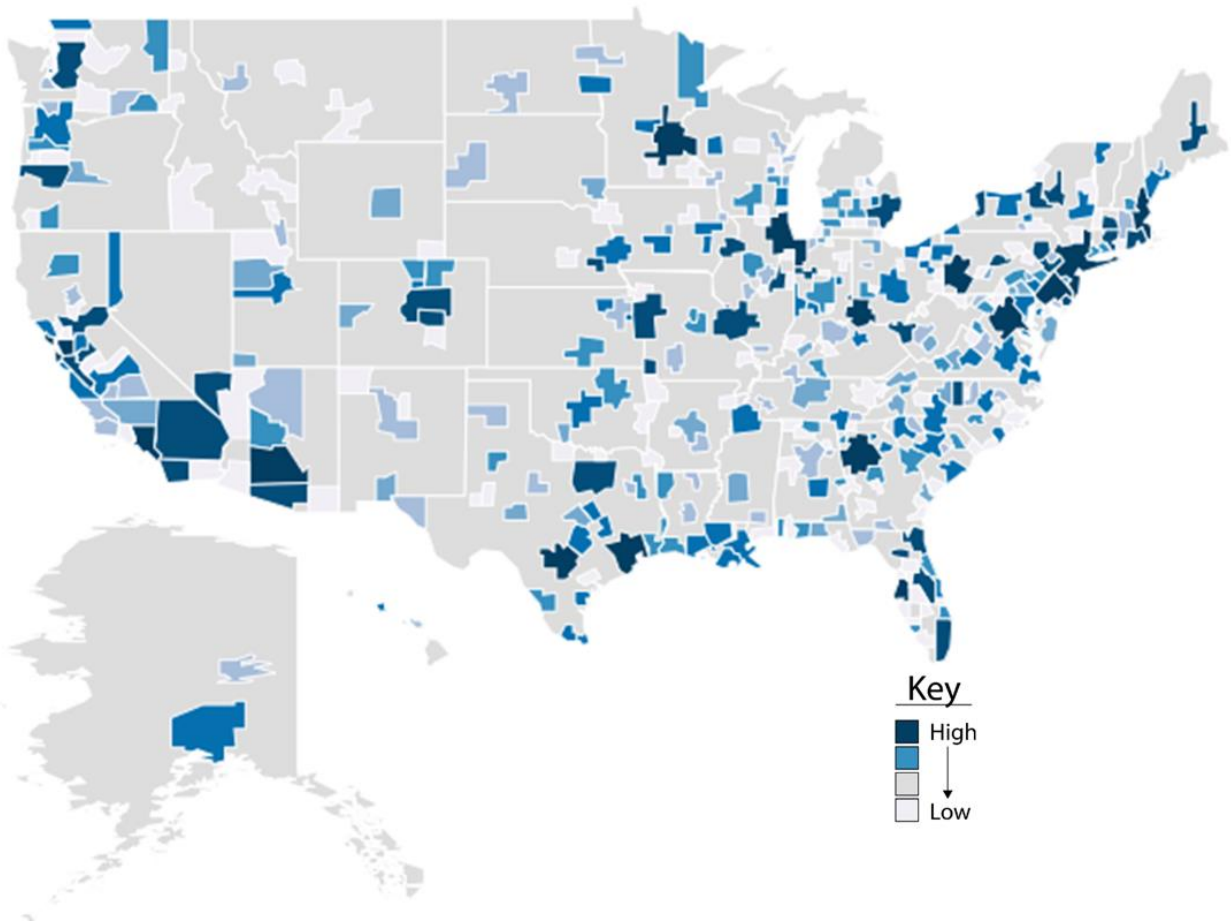
| Metro Area | Job Postings |
|---|---|
| New York-Newark-Jersey City, NY-NJ-PA | 123 |
| Los Angeles-Long Beach-Anaheim, CA | 94 |
| San Francisco-Oakland-Hayward, CA | 89 |
| Phoenix-Mesa-Scottsdale, AZ | 81 |
| Chicago-Naperville-Elgin, IL-IN-WI | 68 |
| Boston-Cambridge-Nashua, MA-NH | 44 |
| Philadelphia-Camden-Wilmington, PA-NJ-DE-MD | 42 |
| Cincinnati, OH-KY-IN | 34 |
| Minneapolis-St. Paul-Bloomington, MN-WI | 34 |
| Atlanta-Sandy Springs-Roswell, GA | 33 |