Biosciences Industry

REAL TIME LABOR MARKET SUMMARY

December 2016 ■ Statewide

Biosciences Industry Labor Analysis across the state during the last 6 months

A sampling of the Biosciences industry for the 6 month period showed over 3,500 job postings for top demand jobs. The top occupation was Wholesale & Manufacturing Sales Reps, making up 6.7% of total job postings.

Top Job Postings		
SOC Code	Description	% Online Job Postings
Now Occupations		
41-4012	Sales Representatives, Wholesale and Manufacturing	6.7%
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2.6%
43-4051	Customer Service Representatives	2.4%
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1.6%
27-1026	Merchandise Displayers and Window Trimmers	1.6%
49-9043	Maintenance Workers, Machinery	1.1%
51-9199	Production Workers, All Other	1.0%
43-6014	Secretaries and Administrative Assistants	1.0%
51-9111	Packaging and Filling Machine Operators and Tenders	0.5%
45-2091	Agricultural Equipment Operators	0.4%
Next Occupations		
29-2012	Medical and Clinical Laboratory Technicians	6.0%
19-4099	Quality Control Analysts	1.9%
51-1011	First-Line Supervisors of Production and Operating Workers	1.9%
49-9071	Maintenance and Repair Workers, General	1.5%
17-3029	Manufacturing Production Technicians	1.1%
31-9097	Phlebotomists	0.8%
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	0.7%
15-1151	Computer User Support Specialists	0.6%
19-4031	Chemical Technicians	0.5%
53-3032	Heavy and Tractor-Trailer Truck Drivers	0.4%
Later Occupations		
19-2031	Chemists	3.7%
11-9199	Managers, All Other	2.8%
11-2021	Marketing Managers	2.2%
15-1132	Software Developers, Applications	2.0%
19-1020	Biologists	1.9%
29-2011	Medical and Clinical Laboratory Technologists	1.8%
19-1042	Medical Scientists, Except Epidemiologists	1.6%
13-1071	Human Resources Specialists	1.6%
11-2022	Sales Managers	1.6%
17-2041	Chemical Engineers	1.5%

Occupations are divided into Now, Next and Later categories based on the typical training and education required. Now occupations usually require 1-12 months of on-the-job training. Next occupations usually require more than one year of on-the-job training and can additionally need specific work experience. These occupations often require an associate's degree or vocational certificate. Later occupations usually require a bachelor's degree or higher and may need specific work experience.

Over one-half (55%) of jobs posted for this industry and time period fell into the Later category, indicating this is an industry that demands technical and skilled labor.

The top 5 employers for the 6 month time period were Monsanto, Pfizer, MilliporeSigma, Cardinal Health, and Quest Diagnostics.

Biosciences Industry Skills and Certifications

Top 10 Basic Skills	
Description	**Rank**
Communication Skills	1
Writing	2
Research	3
Organizational Skills	4
Problem Solving	5
Team Work/ Collaboration	6
Detail-Oriented	7
Computer Skills	8
Planning	9
Quality Assurance and Control	10

Top 10 Specialized Skills	
Description	**Rank**
Microsoft Excel	1
Microsoft Office	2
Chemistry	3
Project Management	4
Customer Service	5
Good Manufacturing Practices (GMP)	6
SAP	7
Budgeting	8
Validation	9
Scheduling	10

Basic skills are the most numerous, being found in the majority of job advertisements. Several soft skills such as communication, writing, and organization ranked in the top 10 requested basic skills. Communication skills were found in over two-fifths (43%) of total job postings. Top specialized skills included Microsoft Office, chemistry, and project management.

Top 10 Software Skills	
Description	**Rank**
Microsoft Excel	1
Microsoft Office	2
SAP	3
Microsoft Word	4
Microsoft Powerpoint	5
Microsoft Access	6
Python	7
Salesforce	8
SQL	9
JAVA	10

Top 10 Certificates	
Certificate	**Rank**
Certified Medical Laboratory Technician	1
Project Management Certification (E.G. PMP)	2
Certified Public Accountant (CPA)	3
Phlebotomy Certification	4
Six Sigma Certification	5
Commercial Driver's License	6
American Society for Clinical Pathology (ASCP) Certification	7
Forklift Operator Certification	8
Security Clearance	9
Six Sigma Black Belt	10

Microsoft programs, such as Excel and Office, made up one-half of the top requested software skills. Top requested certificates included Certified Medical Laboratory Technician, Project Management, and Certified Public Accountant.

Notes:

Data for this analysis has been extracted using Burning Glass Technologies Labor/Insight[tm] tool which collects information from over 35,000 web sources, including job boards, newspapers, and employer websites. While this analysis presents a broad picture of hiring activity and serves as a measure of labor demand, it does not capture openings that are filled through other networks.

This workforce product was funded by grants awarded by the U.S. Department of Labor's Employment and Training Administration, Workforce Information Grant. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.