



Biosciences Industry

REAL TIME LABOR MARKET SUMMARY

June 2017 ■ 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 3,000 job postings for top demand jobs. The top occupation was Medical and Clinical Laboratory Technicians, making up 6.4% of total job postings.

Top Job Postings		% Online Job Postings
SOC Code	Description	
Now Occupations		
41-4012	Sales Representatives, Wholesale and Manufacturing	5.2%
43-4051	Customer Service Representatives	2.0%
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1.9%
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1.4%
27-1026	Merchandise Displayers and Window Trimmers	1.4%
51-9199	Production Workers, All Other	1.2%
43-6014	Secretaries and Administrative Assistants	1.0%
51-9111	Packaging and Filling Machine Operators and Tenders	1.0%
43-5081	Stock Clerks- Stockroom, Warehouse, or Storage Yard	0.5%
43-4111	Interviewers, Except Eligibility and Loan	0.5%
Next Occupations		
29-2012	Medical and Clinical Laboratory Technicians	6.4%
19-4099	Quality Control Analysts	2.2%
51-1011	First-Line Supervisors of Production and Operating Workers	1.7%
49-9071	Maintenance and Repair Workers, General	1.1%
17-3029	Manufacturing Production Technicians	0.9%
19-4031	Chemical Technicians	0.7%
53-3032	Heavy and Tractor-Trailer Truck Drivers	0.6%
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	0.6%
49-9041	Industrial Machinery Mechanics	0.6%
43-1011	First-Line Supervisors of Office and Admin. Support Workers	0.5%
Later Occupations		
19-2031	Chemists	4.5%
19-1020	Biologists	2.7%
11-9199	Managers, All Other	2.5%
15-1132	Software Developers, Applications	1.8%
11-2021	Marketing Managers	1.7%
17-2041	Chemical Engineers	1.6%
11-2022	Sales Managers	1.6%
19-1042	Medical Scientists, Except Epidemiologists	1.3%
15-1199	Information Technology Project Managers	1.1%
13-1041	Regulatory Affairs Specialists	1.1%

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 (53%) 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 Pfizer, Monsanto, Merck & Company, Quest Diagnostics, and MilliporeSigma.



Biosciences Industry Skills and Certifications

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

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

Basic skills are the most numerous, being found in the majority of job advertisements. Several soft skills such as communication, writing, and problem solving ranked in the top 10 requested basic skills. Communication skills were found in over two-fifths (42%) of total job postings. Top specialized skills included Microsoft Office programs and chemistry.

Top 10 Software Skills	
Description	Rank
Microsoft Excel	1
Microsoft Office	2
SAP	3
Microsoft Powerpoint	4
Microsoft Word	5
Enterprise Resource Planning (ERP)	6
Microsoft Access	7
SQL	8
Python	9
JAVA	10

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

Notes:

Data for this analysis has been extracted using Burning Glass Technologies Labor/Insight[™] 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.

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