



Advanced Manufacturing Industry

REAL TIME LABOR MARKET SUMMARY

June 2018

Advanced Manufacturing Industry Labor Analysis Across the State During the Last 6 Months

A sampling of the Advanced Manufacturing industry for the 6-month period showed over 2,500 job postings for top demand jobs. The top occupation was Software Developers, Applications, making up of 5.6% total job postings for the time period.

Top Job Postings		% Online Job Postings
SOC Code	Occupation	
Now Occupations		
41-4012	Sales Representatives, Wholesale and Manufacturing	4.1%
43-4051	Customer Service Representatives	1.6%
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1.1%
51-9199	Production Workers, All Other	1.0%
43-5061	Production, Planning, and Expediting Clerks	0.8%
43-6014	Secretaries and Administrative Assistants	0.8%
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	0.7%
51-2092	Team Assemblers	0.6%
49-9012	Control and Valve Installers and Repairers	0.5%
41-3099	Sales Representatives, Services, All Other	0.5%
Next Occupations		
51-1011	First-Line Supervisors of Production & Operating Workers	2.1%
49-9071	Maintenance and Repair Workers, General	2.0%
53-3032	Heavy and Tractor-Trailer Truck Drivers	1.3%
17-3026	Industrial Engineering Technicians	1.0%
15-1151	Computer User Support Specialists	0.9%
17-3029	Engineering Technicians, Except Drafters, All Other	0.8%
49-3023	Automotive Specialty Technicians	0.7%
17-3023	Electronics Engineering Technicians	0.7%
17-3029	Manufacturing Production Technicians	0.7%
49-9041	Industrial Machinery Mechanics	0.5%
Later Occupations		
15-1132	Software Developers, Applications	5.6%
15-1199	Computer Systems Engineers/Architects	3.4%
11-9199	Managers, All Other	2.7%
17-2141	Mechanical Engineers	2.3%
17-2071	Electrical Engineers	2.0%
11-2022	Sales Managers	2.0%
13-1071	Human Resources Specialists	1.9%
17-2199	Manufacturing Engineers	1.8%
11-1021	General and Operations Managers	1.6%
13-1023	Purchasing Agents	1.6%

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 (60%) of the 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 five employers for the 6-month period of December 01, 2017 - May 31, 2018, which together made up nearly one-half (45%) of total job postings, were

- The Boeing Company
- Emerson Electric
- Eaglepicher Technologies, Llc
- LMI Aerospace Inc.
- Orbital ATK



Advanced Manufacturing Industry Skills and Certificates

Top 10 Basic Skills	
Description	Rank
Communication Skills	1
Problem Solving	2
Microsoft Office	3
Microsoft Excel	4
Planning	5
Teamwork / Collaboration	6
Troubleshooting	7
Computer Literacy	8
Organizational Skills	9
Detail-Oriented	10

Top 10 Specialized Skills	
Description	Rank
Scheduling	1
Repair	2
Chemistry	3
Budgeting	4
Physics	5
Project Management	6
Customer Service	7
Sales	8
Process Improvement	9
Customer Contact	10

Basic skills are the most numerous, found in the majority of job advertisements. Several soft skills such as communication, problem solving, and planning ranked in the top 10. Communication skills were found in over one-third (39%) of total job postings. Top requested specialized skills included scheduling, repair, and chemistry.

Top 10 Software Skills	
Description	Rank
Microsoft Office	1
Microsoft Excel	2
Microsoft Powerpoint	3
Microsoft Word	4
Software Development	5
SAP	6
Software Engineering	7
Oracle	8
C++	9
SQL	10

Top 10 Certificates	
Description	Rank
American Board for Engineering and Technology (ABET) Accredited	1
Security Clearance	2
Driver's License	3
Project Management Certification	4
Certified Information Systems Security Professional (CISSP)	5
CompTIA Security+	6
Forklift Operator Certification	7
Security+	8
Certified Public Accountant (CPA)	9
Project Management Professional (PMP)	10

Microsoft Office products and programming languages, such as Oracle, made up the majority of top requested specialized skills. The top requested certificate was American Board for Engineering and Technology (ABET) Accreditation, followed by Security Clearance.

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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