



# Advanced Manufacturing Industry

## REAL TIME LABOR MARKET SUMMARY

### December 2017

#### 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 2,000 job postings for top demand jobs. The top occupation was Software Developers, Applications, making up of 6.1% total job postings for the time period.

Top Job Postings		% Online Job Postings
SOC Code	Occupation	
<b>Now Occupations</b>		
41-4012	Sales Representatives, Wholesale and Manufacturing	3.8%
43-4051	Customer Service Representatives	1.5%
43-5061	Production, Planning, and Expediting Clerks	1.3%
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1.1%
51-9199	Production Workers, All Other	1.0%
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	0.9%
43-6014	Secretaries and Administrative Assistants	0.6%
51-2092	Team Assemblers	0.6%
53-3033	Light Truck or Delivery Services Drivers	0.5%
43-5071	Shipping, Receiving, and Traffic Clerks	0.4%
<b>Next Occupations</b>		
49-9071	Maintenance and Repair Workers, General	3.3%
51-1011	First-Line Supervisors of Production and Operating Workers	2.4%
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	0.9%
43-1011	First-Line Supervisors of Office and Admin. Support Workers	0.9%
53-3032	Heavy and Tractor-Trailer Truck Drivers	0.8%
47-2111	Electricians	0.7%
49-9041	Industrial Machinery Mechanics	0.6%
17-3023	Electronics Engineering Technicians	0.5%
51-4041	Machinists	0.5%
15-1151	Computer User Support Specialists	0.5%
<b>Later Occupations</b>		
15-1132	Software Developers, Applications	6.1%
15-1199	Computer Systems Engineers/Architects	4.5%
17-2071	Electrical Engineers	2.7%
11-9199	Managers, All Other	2.1%
17-2141	Mechanical Engineers	2.1%
11-2021	Marketing Managers	1.7%
13-1071	Human Resources Specialists	1.6%
17-2199	Manufacturing Engineers	1.6%
11-9041	Architectural and Engineering Managers	1.6%
17-2112	Industrial 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 (61%) 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 June 2017 – November 2017, which together made up nearly one-half (45%) of total job postings, were

- Boeing,
- Emerson Electric
- Johnson Controls
- Honeywell and
- Orbital ATK

## Advanced Manufacturing Industry Skills and Certificates

Top 10 Basic Skills	
Description	Rank
Communication Skills	1
Writing	2
Planning	3
Problem Solving	4
Troubleshooting	5
Mathematics	6
Computer Skills	7
Organizational Skills	8
Research	9
Team Work/ Collaboration	10

Top 10 Specialized Skills	
Description	Rank
Microsoft Office	1
Microsoft Excel	2
Scheduling	3
Repair	4
Project Management	5
Customer Service	6
Budgeting	7
Inspection	8
Chemistry	9
Physics	10

Basic skills are the most numerous, being found in the majority of job advertisements. Several soft skills such as communication, writing, 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 Microsoft Office products, scheduling, and repair.

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

Top 10 Certificates	
Description	Rank
American Board For Engineering And Technology (ABET) Accredited	1
Security Clearance	2
Project Management Certification (E.G. PMP)	3
Six Sigma Certification	4
Certified Public Accountant (CPA)	5
Forklift Operator Certification	6
Security+	7
Six Sigma Green Belt	8
Six Sigma Black Belt	9
Certified Information Systems Security Professional (CISSP)	10

Microsoft Office products and programming languages, such as LINUX, 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. Three Six Sigma certifications were also among the top requested certificates.

### 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.

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. 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. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner

