



# Advanced Manufacturing Industry

## REAL TIME LABOR MARKET SUMMARY

### June 2017 ■ Statewide

#### 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 1,500 job postings for top demand jobs. The top occupation was Software Developers, Applications, making up of 4.9% 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	3.9%
43-4051	Customer Service Representatives	1.8%
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1.4%
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1.4%
43-5061	Production, Planning, and Expediting Clerks	1.1%
51-9199	Production Workers, All Other	1.0%
51-2092	Team Assemblers	0.9%
41-9099	Sales and Related Workers, All Other	0.9%
43-6014	Secretaries and Administrative Assistants	0.8%
33-9032	Security Guards	0.5%
<b>Next Occupations</b>		
49-9071	Maintenance and Repair Workers, General	3.6%
51-1011	First-Line Supervisors of Production and Operating Workers	3.2%
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	1.2%
49-9021	Heating and Air Conditioning Mechanics and Installers	1.1%
19-4099	Quality Control Analysts	0.9%
17-3023	Electronics Engineering Technicians	0.7%
17-3029	Manufacturing Production Technicians	0.7%
17-3022	Civil Engineering Technicians	0.6%
43-1011	First-Line Supervisors of Office and Admin. Support Workers	0.6%
47-2111	Electricians	0.5%
<b>Later Occupations</b>		
15-1132	Software Developers, Applications	4.9%
17-2071	Electrical Engineers	3.5%
15-1199	Computer Systems Engineers/Architects	2.9%
11-9199	Managers, All Other	2.4%
17-2141	Mechanical Engineers	2.2%
11-9041	Architectural and Engineering Managers	2.0%
17-2112	Industrial Engineers	2.0%
11-1021	General and Operations Managers	1.7%
17-2041	Chemical Engineers	1.4%
17-2199	Manufacturing Engineers	1.4%

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 (58%) 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 5 employers for the 6 month time period were Honeywell, Boeing, Emerson Electric, Johnson Controls, and General Motors; which together made up nearly one-half (45%) of total job postings.



## Advanced Manufacturing Industry Skills and Certificates

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

Top 10 Specialized Skills	
Description	Rank
Microsoft Office	1
Microsoft Excel	2
Scheduling	3
Project Management	4
Repair	5
Budgeting	6
Customer Service	7
Microsoft Powerpoint	8
Inspection	9
Microsoft Word	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 two-fifths (42%) of total job postings. Top requested specialized skills included Microsoft Office products, scheduling, and project management.

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

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

Microsoft Office products made up one-half of the top requested specialized skills. The top requested certificate was Security Clearance, followed by American Board for Engineering and Technology (ABET) Accreditation. 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.

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