ABOUT THIS REPORT

Lightweight Innovations for Tomorrow (LIFT) is a public-private partnership that develops and deploys advanced lightweight materials manufacturing technologies and implements education and training programs to prepare the workforce. An educated and skilled workforce is critical to the future of manufacturing. Under the direction of Emily Stover DeRocco, LIFT’s Education & Workforce Director, LIFT’s State Teams, engaging manufacturers, educators, workforce and economic developers, and state and local officials, are designing and implementing a cohesive strategy to deliver the talent necessary to the long-term health of the U.S. defense and commercial industrial bases.

Lightweight materials are increasingly important to the competitiveness of transportation manufacturing sectors, including suppliers in the automotive, aircraft, heavy truck, ship, rail, and defense manufacturing industries. Lighter vehicles for the military, industry, and consumer alike, are more fuel-efficient and demonstrate better performance.

From welding to skilled metalwork, to logistics and mechanical and chemical engineering, to industrial design and manufacturing management, lightweighting-related jobs are found in nearly every manufacturing sector. This report provides an overview and examines the changing demand for workers in jobs related to lightweighting in Michigan. This analysis is meant to further enhance the future development of lightweighting workforce education and training in the region.

Of particular note, throughout this analysis and report, we rely not only on national databases related to traditional occupations and job families. The pace of change in the manufacturing industry, largely resulting from technology infusion and forces of globalization, is reflected in rapid-fire change in the knowledge, skills, and abilities the manufacturing workforce requires. To provide the best available analyses, this report integrates intelligence gathered from the real-time, transactional labor market reflecting the realities of demand and supply, the changing nature of manufacturing employment, and the competencies that are needed in the 21st century manufacturing workforce.
EMPLOYER DEMAND AND EMPLOYMENT TRENDS

Job postings for occupations related to lightweight advanced manufacturing in Michigan grew throughout 2018, increasing 4.2 percent from Q3 2018 to 66,648 postings in Q4 2018. This also represents a 19 percent growth since Q4 2017. Employment also continues to grow steadily after hitting a low of 544,822 workers in 2009. There were 736,230 Michigan workers employed in advanced manufacturing jobs related to lightweighting in 2018, marking the ninth consecutive year of employment growth.

JOB POSTINGS OVER TIME
Michigan Q1 2012 - Q4 2018

A change in data de-duplication methodology of job posting estimates occurred at the time of the dotted line on the graph. Though data from before 2018 may have included duplicate postings and therefore report slightly inflated numbers, the trends shown remain consistent.

EMPLOYMENT OVER TIME
Michigan 2001 - 2018

Data: Emsi
Analysis: Workforce Intelligence Network
OVERVIEW

TOP JOBS

Industrial Engineers were the most in-demand lightweighting-related occupation in Michigan with over 19,000 online job ads during 2018. Maintenance and Repair Workers, General were the second-most in-demand occupation in 2018 with 18,000 postings. Other engineering and supervisory occupations were also in high demand in Michigan during 2018, including Mechanical and Electrical Engineers and First-line Supervisors of Production and Operating Workers.

TOP POSTING JOBS
MICHIGAN 2018

19.1% increase in demand for advanced manufacturing workers since 2017

66,648 Total online job ads in Q4 2018

Industrial Engineers: top in-demand job

Data: Emsi
Analysis: Workforce Intelligence Network
INTRODUCTION TO SKILLED TRADES

Skilled Trades workers are the builders and makers of America. They work directly with advanced materials, assemble complicated products, and are experts in welding and machinery. They ensure that designs and plans are carried out to every detail and specification. These workers do everything from welding, to setting and managing computer-numerically-controlled machines, to overseeing manufacturing floors. These skilled workers are essential to manufacturing of lightweight materials.

The 71 individual occupations within this cluster can be split into three distinct occupation sub-groups; Machinists, Assembly & Operations workers, and Skilled Materials Workers.

Machinists

Machinists set up and operate a variety of machine tools to produce parts and instruments. Some work on traditional industrial machinery while others operate or develop programs for computer-controlled machinery.

Assembly & Operations

Assembly & Operations workers assist other Skilled Trades workers during production. Some perform quality assurance inspections, assist with assembly, or perform supervisory duties on the factory floor.

Skilled Materials Workers

Skilled Materials workers perform numerous roles from general maintenance to welding. All Skilled Materials workers must have intimate knowledge of lightweight metals and techniques in order to conduct proper repairs and/or assembly.

TOP POSTING JOBS
MICHIGAN 2018

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Job Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machinists</td>
<td>4,293</td>
</tr>
<tr>
<td>Industrial Machinery Mechanics</td>
<td>2,849</td>
</tr>
<tr>
<td>Computer-Controlled Machine Tool Operators, Metal and Plastic</td>
<td>2,355</td>
</tr>
<tr>
<td>Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic</td>
<td>1,064</td>
</tr>
<tr>
<td>Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic</td>
<td>943</td>
</tr>
</tbody>
</table>

Data: Emsi
Analysis: Workforce Intelligence Network

Machinists

General Machinists were the most in-demand occupation in the Machinists sub-group during 2018 with 4,293 job postings, followed by Industrial Machinery Mechanics with 2,849 job postings. Other top jobs included Computer-Controlled Machine Tool Operators, Metal and Plastic (2,355 postings) and Cutting, Punching and Press Machine Setters, Operators, and Tenders, Metal and Plastic (1,064 postings).
SKILLED TRADES

TOP POSTING JOBS
MICHIGAN 2018

Assembly & Operations
Supervisory roles predominated among Assembly and Operations occupations in 2018. First-Line Supervisors of Production and Operating Workers were the most in-demand occupation, with 13,035 postings. With about half as many postings each, Inspectors, Testers, Samplers, Sorters and Weighers (5,799 postings) and First-line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors (5,744 postings) were also popular occupations.

Skilled Materials
Maintenance and Repair Workers, General (18,051 postings) had nearly three times the number of postings as the next most in-demand job in the Skilled Materials sub-group during 2018. First-Line Supervisors of Mechanics, Installers, and Repairers (6,018 postings) were also sought after, indicating the potential for career growth in this in-demand field. Welders, Cutters, Solderers, and Brazers garnered 2,480 postings in 2018.
SKILLED TRADES

IN-DEMAND TECHNICAL SKILLS

The Skilled Trades group requires a wide array of high-level technical skills. While traditional skills like repair, inspection, and hand tool proficiency remain necessary, skills requiring post-secondary education and training have become more prevalent in Skilled Trades job postings. The increased frequency of requests for supervisory, scheduling, and budgeting skills reflects the growing demand for managers within the Skilled Trades.

- Continuous Improvement Process
- Packaging and Labeling
- HVAC
- Machining
- Warehousing
- Plumbing
- Blueprinting
- Welding
- Lathes
- Preventive Maintenance
- Tooling
- Mills
- Fabrication
- Corrective and Preventive Actions
- Computer Numerical Control (CNC)

IN-DEMAND EMPLOYABILITY SKILLS

While Skilled Trades workers need mastery of advanced technical skills, they also need the foundational skills critical to succeeding in any workplace. Employers hiring Skilled Trades workers often post employability skills like communication, problem solving, the ability to perform physical labor, and planning and organizational abilities. These types of skills are crucial for Skilled Trades so that workers can collaborate effectively, especially in supervisory roles.

- Management
- Operations
- Communications
- Troubleshooting (Problem Solving)
- Leadership
- Problem Solving
- Customer Service
- Sales
- Innovation
- Computer Literacy
- Research
- Interpersonal Skills
- Construction
- Written Communication
- Driving
SKILLED TRADES

IN-DEMAND EXPERIENCE & EDUCATIONAL ATTAINMENT

Online job postings for Skilled Trades workers in Michigan primarily advertise openings requiring five or fewer years of experience. Of those that specified a desired experience range, 54 percent were open to candidates with two years of experience or less (17,954 postings) while another 13,392 require three to five years. A growing portion of advertised Skilled Trades occupations suggest a bachelor’s degree for entry (13.1 percent in 2018), though the majority of postings prefer a high school diploma paired with vocational training or short-term credentials. If potential candidates can learn valuable in-demand technical skills like welding, programming, or mathematics, they can fill the entry-level openings that have such high demand among Michigan employers. Job postings requiring five or more years of experience most likely represent supervisory or management roles.

IN-DEMAND EXPERIENCE
MICHIGAN 2018

IN-DEMAND EDUCATION
MICHIGAN 2018

$ WAGES

The wage table below, containing data from the Bureau of Labor Statistics (BLS) indicates the hourly wage distribution for the top five posted Skilled Trades occupations. Maintenance and Repair Workers, General, the top occupation in this subgroup and one of the highest-demand overall, earn $16.87 at the median, or about $36,000 annually. Supervisory roles in the Skilled Trades groups offer greater earning potential, with median wages for three of the top five jobs above $24 hourly.

TOP JOBS WAGE SCALE
MICHIGAN 2018

<table>
<thead>
<tr>
<th>Occupation Code</th>
<th>Occupation Name</th>
<th>10th Percentile Wages</th>
<th>25th Percentile Wages</th>
<th>Median Wages</th>
<th>75th Percentile Wages</th>
<th>90th Percentile Wages</th>
</tr>
</thead>
<tbody>
<tr>
<td>49-9071</td>
<td>Maintenance and Repair Workers, General</td>
<td>$10.28</td>
<td>$12.88</td>
<td>$16.87</td>
<td>$22.29</td>
<td>$28.07</td>
</tr>
<tr>
<td>51-1011</td>
<td>First-Line Supervisors of Production and Operating Workers</td>
<td>$17.57</td>
<td>$22.45</td>
<td>$29.35</td>
<td>$37.91</td>
<td>$47.88</td>
</tr>
<tr>
<td>49-1011</td>
<td>First-Line Supervisors of Mechanics, Installers, and Repairers</td>
<td>$17.32</td>
<td>$23.81</td>
<td>$30.74</td>
<td>$40.50</td>
<td>$49.27</td>
</tr>
<tr>
<td>51-9061</td>
<td>Inspectors, Testers, Sorters, Samplers, and Weighers</td>
<td>$9.82</td>
<td>$11.65</td>
<td>$15.49</td>
<td>$20.64</td>
<td>$27.15</td>
</tr>
<tr>
<td>53-1048</td>
<td>First-line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors</td>
<td>$15.20</td>
<td>$18.87</td>
<td>$24.82</td>
<td>$32.44</td>
<td>$39.39</td>
</tr>
</tbody>
</table>

0-2 years
Experience most in-demand by Michigan employers

Median wage for top job
Maintenance and Repair Workers

11,206
postings requiring a bachelor’s degree

Data: Emsi
Analysis: Workforce Intelligence Network
INTRODUCTION TO ADMINISTRATION

Purchasing materials, ensuring worker safety around machines and with materials, and coordinating and analyzing material and goods movement are essential administration jobs related to lightweighting. Without workers focused on worker safety, production would slow down, and more workers would be injured. Procurement professionals require an extensive understanding of the materials that they purchase. Logistics workers range from materials movers to logistics analysts. While these jobs are focused on administration, all of the workers in this occupation category must have detailed knowledge of materials, goods movement, and worker safety to help ensure smooth and seamless production.

There are 17 individual occupations within this cluster, which can be split into three distinct occupation sub-groups: Procurement & Purchasing, Human Safety, and Logistics Workers.

Logistics

*Logistics workers ensure transportation optimization of materials within organizations, from designing efficient supply chain processes to engaging in the actual transport of material and freight.*

Procurement & Purchasing

*Procurement & Purchasing workers ensure that all of the machinery, equipment, tools, and supplies necessary for manufacturers are ready and available for production.*

Human Safety

*Human Safety workers plan, implement, coordinate, review, and inspect safety programs and protocols to ensure a safe workforce environment.*

TOP POSTING JOBS

MICHIGAN 2018

*Logistics*

Laborers and Freight, Stock, and Material Movers, Hand topped demand in this sub-group. Michigan employers posted 7,505 online job ads for these workers during 2018, making it one of the state’s most in-demand lightweighting occupations overall. The next most in-demand occupation, First-line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors, garnered 5,744 online job postings in 2018.

Data: Emsi
Analysis: Workforce Intelligence Network
Procurement & Purchasing

Buyers and Purchasing Agents led the Procurement and Purchasing sub-group with 4,296 online ads during 2018. Sales Engineers were second most in-demand with 2,932 postings. Purchasing Managers and Cost Estimators had over 1,500 postings each, while Procurement Clerks represented a much smaller portion of the advertised openings.

Human Safety

Industrial Engineers were by far the most in-demand occupation in the Human Safety subgroup, as well as the top lightweighting-related occupation in Michigan overall. Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (1,302 postings) and Occupational Health and Safety Specialists (1,009 postings) were also in demand.

Data: Emsi
Analysis: Workforce Intelligence Network
ADMINISTRATION

✓ IN-DEMAND TECHNICAL SKILLS

Occupations within the Administration group require a wide array of high-level technical and managerial skills. Traditional skills like forklift operation and inspection are present in many postings. The job postings for Administration workers reflect the greater employer focus on engineering and management roles. Frequent requirements for project management experience communicate employer demand for talent in high-wage management occupations.

- Purchasing
- Continuous Improvement Process
- Warehousing
- Corrective and Preventive Actions
- Manufacturing Processes
- Automotive Industry
- Procurement
- Industrial Engineering

- Auditing
- Mechanical Engineering
- Packaging and Labeling
- Lean Manufacturing
- Engineering Mathematics
- Tooling
- Supply Chain Management

✓ IN-DEMAND EMPLOYABILITY SKILLS

Like the Skilled Trades group, Michigan employers seek Administration workers with traditional employability skills such as the ability to communicate, organize, and solve problems. The inclusion of mathematics as a common baseline skill in postings reflects the technical nature of Administration occupations and the higher levels of education required for most openings. Due to the numerous business-oriented duties Administration workers have, strong computer and writing skills are necessary for success.

- Management
- Operations
- Communications
- Leadership
- Problem Solving
- Innovation
- Sales
- Microsoft Excel

- Written Communication
- Research
- Interpersonal Skills
- Customer Service
- Presentations
- Sourcing (Recruitment)
- Coordinating
ADMINISTRATION

IN-DEMAND EXPERIENCE & EDUCATIONAL ATTAINMENT

Among job advertisements posting experience requirements, 40 percent required two years of experience or less (11,043 postings). The largest portion, 50 percent of postings, required between three and five years of experience (13,679 postings), indicating that employers would like workers with prior experience and perhaps enough experience for management positions. The increase in this intermediate experience category is a good indicator of the growing demand for managers in Administration occupations overall. Among those stating education requirements, 80 percent required at least an associate’s degree, and 73 percent of Administration postings required a bachelor’s degree.

IN-DEMAND EXPERIENCE
MICHIGAN 2018

IN-DEMAND EDUCATION
MICHIGAN 2018

$ WAGES

TOP JOBS WAGE SCALE
MICHIGAN 2018

The wage table below, containing data from the Bureau of Labor Statistics (BLS) indicates the hourly wage distribution for the top five posted Skilled Trades occupations. Engineering positions can lead to high wages within this group; both top job Industrial Engineers and number five Sales Engineers earn over $40 hourly at the median. Other occupations’ wages vary with education and experience.

<table>
<thead>
<tr>
<th>Occupation Code</th>
<th>Occupation Name</th>
<th>10th Percentile Wages</th>
<th>25th Percentile Wages</th>
<th>Median Wages</th>
<th>75th Percentile Wages</th>
<th>90th Percentile Wages</th>
</tr>
</thead>
<tbody>
<tr>
<td>17-2112</td>
<td>Industrial Engineers</td>
<td>$27.46</td>
<td>$33.72</td>
<td>$41.83</td>
<td>$50.76</td>
<td>$60.19</td>
</tr>
<tr>
<td>53-1048</td>
<td>First-line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors</td>
<td>$15.20</td>
<td>$18.87</td>
<td>$24.82</td>
<td>$32.44</td>
<td>$39.39</td>
</tr>
<tr>
<td>13-1028</td>
<td>Buyers and Purchasing Agents</td>
<td>$17.07</td>
<td>$22.97</td>
<td>$29.50</td>
<td>$39.58</td>
<td>$52.40</td>
</tr>
<tr>
<td>41-9031</td>
<td>Sales Engineers</td>
<td>$27.59</td>
<td>$36.27</td>
<td>$46.58</td>
<td>$59.26</td>
<td>$74.48</td>
</tr>
</tbody>
</table>

11,043
job postings seeking entry-level workers

$41.83
Median wage for top job Industrial Engineers

24,391
job postings requiring a bachelor's degree

Data: Emsi
Analysis: Workforce Intelligence Network
ENGINEERING & DESIGN

INTRODUCTION TO ENGINEERING & DESIGN

Engineers and industrial designers create the blueprints for all things manufacturing. These workers not only envision the products of the future but they also ensure that the products are functional, safe, reliable, and durable.

There are 52 individual occupations within this group which can be split into four distinct occupation sub-groups; Electrical & Mechanical Engineering, Chemical Engineering & Metallurgy, Industrial Designers & Drafters, and Process Engineering & Testing.

Electrical & Mechanical Engineers

Electrical & Mechanical Engineers perform duties related to the research, design, development, and testing of mechanical functioning, electrical, and manufacturing equipment, components, or systems for commercial, industrial, military, or scientific use.

Chemical Engineers & Metallurgy

Chemical Engineers & Metallurgy workers perform duties related to the research, design, development, and testing of chemicals and metal materials. These workers often lead the charge in finding cutting-edge uses of lightweight metal materials.

Designers & Drafters

Designers & Drafters collaborate with other workers within the Engineer group to prepare detailed diagrams and designs of machinery, devices, and manufactured products. They combine their artistic talents and knowledge of lightweight metal capabilities to create both functional and appealing product designs.

Process Engineers & Testing

Process Engineering & Testing workers design processes and test manufacturing machinery to ensure that production of lightweight metal materials meet both internal and external safety and quality requirements.

TOP POSTING JOBS

MICHIGAN 2018

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical Engineers</td>
<td>15,690</td>
</tr>
<tr>
<td>Electrical Engineers</td>
<td>7,222</td>
</tr>
<tr>
<td>Architectural and Engineering Managers</td>
<td>3,799</td>
</tr>
<tr>
<td>Electronics Engineers, Except Computer</td>
<td>3,180</td>
</tr>
<tr>
<td>Electrical and Electronics Engineering Technicians</td>
<td>2,446</td>
</tr>
</tbody>
</table>

Electrical & Mechanical

This sub-group represents the largest in the Engineering and Design group in terms of employer demand. High demand for Mechanical (15,690 postings) and Electrical Engineers (7,222 postings) continually pushes these occupations to the top of the in-demand list for their sub-group.

Data: Emsi
Analysis: Workforce Intelligence Network
### TOP POSTING JOBS
**MICHIGAN 2018**

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineers, All Other</td>
<td>1,492</td>
</tr>
<tr>
<td>Chemical Technicians</td>
<td>774</td>
</tr>
<tr>
<td>Chemists</td>
<td>659</td>
</tr>
<tr>
<td>Engineering Technicians, Except Drafters, All Other</td>
<td>454</td>
</tr>
<tr>
<td>Materials Engineers</td>
<td>422</td>
</tr>
<tr>
<td>Mechanical Drafters</td>
<td>450</td>
</tr>
<tr>
<td>Commercial and Industrial Designers</td>
<td>432</td>
</tr>
<tr>
<td>Electrical and Electronics Drafters</td>
<td>68</td>
</tr>
<tr>
<td>Drafters, All Other</td>
<td>1</td>
</tr>
<tr>
<td>Industrial Engineers</td>
<td>19,164</td>
</tr>
<tr>
<td>Industrial Engineering Technicians</td>
<td>2,155</td>
</tr>
<tr>
<td>Engineers, All Other</td>
<td>1,492</td>
</tr>
<tr>
<td>Health and Safety Engineers, Except Mining Safety Engineers and Inspectors</td>
<td>1,302</td>
</tr>
<tr>
<td>Engineering Technicians, Except Drafters, All Other</td>
<td>454</td>
</tr>
</tbody>
</table>

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**Chemical & Metallurgy**

Engineers, All Other led this sub-group during 2018 with 1,492 online ads. Demand for Chemical Technicians (774 postings) and Chemists (659 postings) was also high. Engineering Technicians, Except Drafters, All Other and Materials Engineers followed closely, with over 400 postings each.

**Designers & Drafters**

Mechanical Drafters took the top position in the Designers and Drafters sub-group during 2018 with 450 postings. Commercial and Industrial Designers (432 postings) and Electrical and Electronics Drafters (68 postings) held the second and third spots for the sub-group in 2018.

**Process & Testing**

In addition to topping the Human Safety subgroup, Industrial Engineers were the top in-demand occupation for the Process Engineering and Testing sub-group with 19,164 postings in 2018. Though apparently dwarfed by demand for Industrial Engineers, other occupations in this subgroup were in high demand as well; Industrial Engineering Technicians garnered 2,155 online job ads, while Engineers, All Other and Health and Safety Engineers, Except Mining Safety Engineers and Inspectors were also in demand.
ENGINEERING & DESIGN

**IN-DEMAND TECHNICAL SKILLS**

STEM-related skills such as mechanical and electrical engineering, AutoCAD, and automation dominate the technical proficiency list for the Engineers group. Business and management-related skills related to product design and manufacturing processes were also prevalent throughout 2018 in job postings made for Michigan Engineers.

- Mechanical Engineering
- Electrical Engineering
- Engineering Mathematics
- Continuous Improvement Process
- Engineering Education
- Manufacturing Processes
- Automotive Industry
- Automation

- Computer-Aided Design
- Corrective And Preventive Actions
- Product Design
- Prototype (Manufacturing)
- Control Systems
- Systems Engineering
- New Product Development

**IN-DEMAND EMPLOYABILITY SKILLS**

While Engineers and Designers require critical technical skills learned through advanced education, employers also require these workers to have foundational skills necessary to function efficiently on a team such as communication, planning, and teamwork. They must also have important project-oriented skills like writing, researching, and presenting. Overall, the top employability and technical skills reflect that Michigan employers seek well-rounded candidates for Engineering and Design job openings.

- Management
- Communications
- Operations
- Leadership
- Problem Solving
- Innovation
- Written Communication
- Research

- Interpersonal Skills
- Microsoft Excel
- Presentations
- Driving
- Troubleshooting (Problem Solving)
- Program Management
- Coordinating

Data: Emsi
Analysis: Workforce Intelligence Network
Among online job postings advertising a preferred level of experience in 2018, most (51 percent) preferred candidates with three to five years of experience. Entry level positions, requiring zero to two years, also had a high share of postings (36 percent). Employers may prefer Engineering and Design workers with previous experience, but opportunities do exist at the entry-level. The majority of postings for Engineers and Designers in Michigan during 2018 advertised an education requirement, and 66 percent required a bachelor’s degree. Some engineering technician positions in the group are open to candidates with some post-secondary training or a related associate’s degree, and 16 percent require more than a bachelor’s degree.

**IN-DEMAND EXPERIENCE**

**MICHIGAN 2018**

![Experience Distribution](image)

**IN-DEMAND EDUCATION**

**MICHIGAN 2018**

![Education Distribution](image)

**$ WAGES**

**TOP JOBS WAGE SCALE**

**MICHIGAN 2018**

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<td>$50.76</td>
<td>$60.19</td>
</tr>
<tr>
<td>17-2141</td>
<td>Mechanical Engineers</td>
<td>$26.86</td>
<td>$33.64</td>
<td>$42.44</td>
<td>$52.48</td>
<td>$62.10</td>
</tr>
<tr>
<td>17-2071</td>
<td>Electrical Engineers</td>
<td>$26.89</td>
<td>$33.32</td>
<td>$41.32</td>
<td>$50.09</td>
<td>$60.63</td>
</tr>
<tr>
<td>11-9041</td>
<td>Architectural and Engineering Managers</td>
<td>$42.70</td>
<td>$50.44</td>
<td>$60.56</td>
<td>$73.78</td>
<td>$86.99</td>
</tr>
<tr>
<td>17-3026</td>
<td>Industrial Engineering Technicians</td>
<td>$16.16</td>
<td>$19.58</td>
<td>$23.45</td>
<td>$29.50</td>
<td>$36.42</td>
</tr>
</tbody>
</table>

37,783 job postings requiring a bachelor’s degree

$60.56 Median wage for Architectural and Engineering Managers

3-5 Years most in-demand Engineering experience

Data: Emsi Analysis: Workforce Intelligence Network
For more information about LIFT and additional workforce data visit www.lift.technology