CAREER PATH OPPORTUNITY

ADVANCED MANUFACTURING

WHAT OPPORTUNITIES ARE AVAILABLE?

Advanced manufacturing jobs range from assembly and production, to skilled trades and technicians, to designers and engineers and more. Occupations encompassed in advanced manufacturing include First-line Supervisors of Production and Operating Workers, Industrial Machinery Mechanics, Electrical and Electronics Engineering Technicians, Industrial Engineering Technicians, and Tool and Die Makers, along with Maintenance and Repair Workers, General.

HOW MUCH COULD I EARN?

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Entry</th>
<th>Median</th>
<th>Experienced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintenance and Repair Workers, General</td>
<td>$10.47</td>
<td>$17.07</td>
<td>$28.75</td>
</tr>
<tr>
<td>First-Line Supervisors of Production and Operating Workers</td>
<td>$18.69</td>
<td>$31.72</td>
<td>$50.69</td>
</tr>
<tr>
<td>Industrial Machinery Mechanics</td>
<td>$15.67</td>
<td>$25.29</td>
<td>$36.80</td>
</tr>
<tr>
<td>Electrical and Electronics Engineering Technicians</td>
<td>$16.91</td>
<td>$30.31</td>
<td>$40.09</td>
</tr>
<tr>
<td>Industrial Engineering Technicians</td>
<td>$16.89</td>
<td>$26.67</td>
<td>$39.89</td>
</tr>
<tr>
<td>Tool and Die Makers</td>
<td>$15.84</td>
<td>$27.00</td>
<td>$38.54</td>
</tr>
</tbody>
</table>

WHERE WOULD I WORK?

TOP INDUSTRIES

- Employment Placement Agencies
- New Single-Family Housing Construction
- Other Motor Vehicle Parts Manufacturing
- Offices of Real Estate Agents and Brokers
- Automobile Manufacturing
- Full-Service Restaurants
- Lessors of Residential Buildings and Dwellings
- Engineering Services
- Home Centers
- Plastics Product Manufacturing

TOP POSTING EMPLOYERS

- HomeAdvisor, Inc.
- The Home Depot
- Aerotek, Inc.
- FCA US LLC
- Nesco Resource
- Cbre Group, Inc.
- Flex-N-Gate Corporation
- American Axle & Manufacturing, Inc.
- DTE Energy Company
- Rose, Edward & Sons, L.L.C.

Learn more at www.micareertraining.org
WHAT EDUCATION & SKILLS WILL I NEED?
Advanced manufacturing occupations typically require a high school diploma or equivalent for entry. Technical roles like Tool and Die Makers or engineering technicians require an associate degree or postsecondary non-degree award coupled with long-term on-the-job training. Comparatively, 37.3% of postings require a high school education, and an HVAC certification is a highly demanded qualification.

WHAT AREAS OF STUDY SHOULD I CONSIDER?
In 2017, there were 1,083 advanced manufacturing-related educational program completions, with the Electrical, Electronic and Communications Engineering Technology educational program having the highest completion number. Other programs that had high completion numbers are the Industrial Mechanics and Maintenance Technology program and Industrial Production Technologies/Technicians, Other program.

WHAT SKILLS SHOULD I DEVELOP?
- Mechanics
- Hydraulics
- Corrective and Preventative Action
- Auditing
- Power Tool Operation
- Management
- Operations
- Troubleshooting
- Communications
- Leadership

WHAT QUALIFICATIONS SHOULD I PURSUE?
- HVAC Certification
- Commercial Driver’s License (CDL)
- EPA 608 Technician Certification
- CFC Refrigeration Certification
- Automotive Service Excellence (ASE) Certification
- EPA Universal Certification
- Certified Forklift Operator
- Six Sigma Green Belt Certification

WHAT ELSE SHOULD I KNOW?
General Maintenance and Repair Worker positions are often available to entry-level workers. Working in maintenance can help provide hands-on learning experiences to build the skills necessary when seeking credentials to become an industrial machinery mechanic or tool and die maker. Salary approximations for advanced manufacturing occupations can range from $20,000 to over $101,000.

IS THIS FIELD EXPECTED TO GROW?
2% GROWTH PROJECTED BY 2023

HOW DO I GET STARTED?
For more information on how to start your career in advanced manufacturing visit www.micareertraining.org.