<table>
<thead>
<tr>
<th>Education</th>
<th>Job Description</th>
<th>Tools &amp; Technology</th>
<th>Current Openings</th>
<th>Median Hour Wage</th>
<th>Certifications/degrees offered</th>
</tr>
</thead>
</table>
| High School Diploma & Work Experience | PRODUCTION OCCUPATIONS (PACKAGING, INSPECTORS, TESTERS)  
Operate or tend machines to prepare industrial or consumer products for storage or shipment. Inspect, test, sort, sample, or weigh materials or assembled products. | GMP, QMS, ISO 9001, SAP Software, Excel | 70 Job openings | $13.87(KC) $15.09(National) | Certified Production Technician, OSHA Safety, OSHA Forklift |
|                                 | MAINTENANCE AND REPAIR WORKERS  
Perform work to keep machines, mechanical equipment, or the structure of an establishment in repair. Duties may involve pipe fitting; boiler making; insulating; welding; machining. | CAD, SAP Software, Oracle, PTC Creo Parametric | 637 Job openings | $19.23(KC) $20.02(National) | Industrial Maintenance Certificate, Machine Tool Tech |
|                                 | MACHINISTS  
Set up and operate a variety of machine tools to produce precision parts and instruments. | CNC Mastercam, ERP Software, Excel | 40 Job openings | $20.75(KC) $21.17(National) | Machine Technology Certificate |
|                                 | METAL WORKERS, WELDERS, CUTTERS  
|                                 | INDUSTRIAL MACHINERY MECHANICS  
Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. | CRM, LMS, PLC, Extranet Machine Tools Suite, SAP Software | 39 Job openings | $22.57(KC) $22.48(National) | Advanced Computer Integrated Machining & Manufacturing Certificate |
|                                 | WHOLESALE AND MANUFACTURING SALES REPRESENTATIVES  
Sell goods for wholesalers or manufacturers to businesses or groups of individuals where technical or scientific knowledge may be required. | CRM, SaaS, Oracle DBMS, IBM Notes, SAP Software | 342 Job openings | $51.44 (KC) $55.26(National) | Applied Manufacturing Certificate |
| Certification or Associate's Degree | INDUSTRIAL ENGINEERS  
Design, develop, test, and evaluate integrated systems for managing industrial production processes including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination. | Rockwell RSLogix, Microsoft Visual, Dassault Systems CATIA Software | 306 job openings | $39.88 (KC) $42.26(National) | Industrial Engineering BS |
|                                 | MECHANICAL ENGINEERS  
Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of equipment such as centralized heat, gas, water, and steam systems. | Sigmetrix CETOL 6 Sigma, Autodesk AutoCAD, Rapid Prototyping software | 92 job openings | $39.88(KC) $41.73(National) | Mechanical Engineering BS, Mechanical Engineering Technology BETB-MT |
|                                 | ELECTRICAL ENGINEERS  
Design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use. | CAD, Minitab software, Verilog, C++, SCADA, MATLAB | 155 job openings | $43.87(KC) $45.63(National) | Electrical Engineering BS |
TOP EMPLOYERS FOR THE KC REGION:
Black & Veatch, Burns & McDonnell, Harley-Davidson Inc., Honeywell, Kiewit, Pentair, Triumph Group, Unilever, United States Infrastructure Corporation

Manufacturing Education Programs Directory

**Kansas City Kansas Community College**
- Welding Technology Certificate
- Machine Technology Certificate

**Kansas State University**
- Applied Manufacturing Certificate
- Mechanical and Engineering Technology AETA-MT
- Electronic and Computer Engineering Technology EATA-EC
- Electrical Engineering BS
- Electronic and Computer Engineering Technology BS
- Industrial Engineering BS
- Mechanical Engineering BS
- Mechanical Engineering Technology BETB-MT

**Metropolitan Community College**
- Mill Certificate
- Lathe Certificate
- Advanced Computer Integrated Machining & Manufacturing Certificate
- Millwright Certificate
- Millwright II Certificate
- Stationary Engineer Certificate
- Stationary Engineer-Critical Facilities Level II Certificate
- Welding (MIG) Certificate
- Welding (TIG/MIG) Certificate
- Welding Construction Certificate
- Industrial Maintenance Certificate
- Industrial Technology Level I Certificate
- Industrial Automation Mechatronics Level I PLC Certificate
- Industrial Automation Mechatronics Level II PLC Certificate
- Lineman Certificate
- Industrial Electric Certificate
- Engineering AS
- Construction Management in Industrial Technology AAS
- Computer Integrated Machining & Manufacturing AAS
- Industrial Electrical AAS
- Industrial Technology AAS
- Industrial Technology-Millwright AAS
- Multi-Craft Industrial Technology AAS
- Stationary Engineer AAS
- Welding and Technology AAS
- Engineering Technology AAS
- Engineering Technology-Computer and Electronics AAS
- Engineering Technology-Mechanical & Manufacturing AAS
- Industrial Maintenance AAS
- Lineman AAS

**University of Kansas**
- Mechanical Engineering BS
- Electrical Engineering BS
- Engineering Physics-Digital Electronic Systems BS

To further explore these careers and other resources, please visit www.careeronestop.org or www.missouriconnections.com. For additional data on top occupations and careers in the Kansas City region, visit www.kcworkforce.com.