

# MANUFACTURING | Career Pathways and Demand in Greater Kansas City

7.26.16

Education	Job Description	Tools & Technology	Current Openings	Median Hour Wage	Certifications/degrees offered
High School Diploma & Work Experience	<b>PRODUCTION OCCUPATIONS (PACKAGING, INSPECTORS, TESTERS)</b> <i>Operate or tend machines to prepare industrial or consumer products for storage or shipment. Inspect, test, sort, sample, or weigh materials or assembled products.</i>	GMP, QMS, ISO 9001, SAP Software, Excel	70 Job openings	\$13.87(KC) \$15.09(National)	Certified Production Technician, OSHA Safety, OSHA Forklift
	<b>MAINTENANCE AND REPAIR WORKERS</b> <i>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.</i>	CAD, SAP Software, Oracle, PTC Creo Parametric	637 Job openings	\$19.23(KC) \$20.02(National)	Industrial Maintenance Certificate, Machine Tool Tech
	<b>MACHINISTS</b> <i>Set up and operate a variety of machine tools to produce precision parts and instruments.</i>	CNC Mastercam, ERP Software, Excel	40 Job openings	\$20.75(KC) \$21.17(National)	Machine Technology Certificate
Certification or Associate's Degree	<b>METAL WORKERS, WELDERS, CUTTERS</b> <i>Use hand-welding, flame-cutting, soldering equipment to weld or join metal components.</i>	EZ Pipe Software, Recordkeeping software, OmniFleet equipment maintenance	37 Job openings	\$16.85(KC) \$17.91(National)	Welding (MIG) Certificate, Welding (TIG/MIG) Certificate
	<b>INDUSTRIAL MACHINERY MECHANICS</b> <i>Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems.</i>	CRM, LMS, PLC, Extranet Machine Tools Suite, SAP Software	39 Job openings	\$22.57(KC) \$22.48(National)	Advanced Computer Integrated Machining & Manufacturing Certificate
	<b>WHOLESALE AND MANUFACTURING SALES REPRESENTATIVES</b> <i>Sell goods for wholesalers or manufacturers to businesses or groups of individuals where technical or scientific knowledge may be required.</i>	CRM, SaaS, Oracle DBMS, IBM Notes, SAP Software	342 Job openings	\$51.44 (KC) \$55.26(National)	Applied Manufacturing Certificate
Bachelor's Degree	<b>INDUSTRIAL ENGINEERS</b> <i>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.</i>	Rockwell RSLogix, Microsoft Visual, Dassault Systems CATIA Software	306 job openings	\$39.88 (KC) \$42.26(National)	Industrial Engineering BS
	<b>MECHANICAL ENGINEERS</b> <i>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.</i>	Sigmatix 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
	<b>ELECTRICAL ENGINEERS</b> <i>Design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use.</i>	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](http://www.careeronestop.org) or [www.missouriconnections.com](http://www.missouriconnections.com). For additional data on top occupations and careers in the Kansas City region, visit [www.kcworkforce.com](http://www.kcworkforce.com).