



## MANUFACTURING CAREER CLUSTER PATHWAY: PRODUCTION

DEGREE/TRAINING REQUIRED  Standard Occupational System (SOC) Code	OCCUPATION	KANSAS MEDIAN ANNUAL WAGE <sup>i</sup>	% CHANGE / EMPLOYMENT PROSPECTS	
			KANSAS 2012-2022 <sup>ii</sup>	USA 2014-2024 <sup>iii</sup>
<b>-Associate Degree</b> <b>-Certifications</b> <b>-On the Job Training</b> <b>-2 Yr. Community/Technical Colleges</b> <b>-Registered Apprenticeship</b>				
17-3026	Industrial Engineering Technicians	\$52,670/yr.	+0.6%	-5%
51-2099	Assemblers and Fabricators	\$24,100/yr.	+1.4%	-1%
51-4011	Computer-Controlled Machine Tool Operators: metal & plastic	\$33,070/yr.	+2.4%	-13%
51-7042	Woodworking Machine Setters, Operators, Tenders	\$26,200/yr.	+1.2%	-2%
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	\$51,640/yr.	+1%	+0%
51-2023	Electromechanical Equipment Assemblers	\$32,790/yr.	+0.8%	-5%
51-9041	Extruding, Forming, Pressing & compacting Machine Setters, Operators & Tenders	\$31,670/yr.	+0.3%	-24%
51-4071	Foundry Mold and Coremakers	\$35,190/yr.	+0.9%	-28%
51-4033	Grinding, Lapping, Polishing and Buffing Machine Tool Setters, Operators and Tenders, Metal and Plastic	\$27,710/yr.	-0.3%	-22%
53-7064	Packers & Packers, Hand	\$20,340/yr.	+0.4%	+2%
51-9111	Packaging & Filling Machine Operators	\$29,480/yr.	-0.1%	N/A

<sup>i</sup> 2012-2022 Kansas Occupational Outlook Study, <http://www.dol.ks.gov>

<sup>ii</sup> 2012-2022 Kansas Occupational Outlook Study, <http://www.dol.ks.gov>

<sup>iii</sup> 2015-2016 National Employment Occupational Outlook Handbook, <http://www.bls.gov/ooh>

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53-7041	Hoist & Winch Operators	N/A	N/A	+2%
51-4041	Machinists: Instrument Makers/Machine Operators	\$37,170/yr.	+1.6%	+10%
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	\$36,430/yr.	-0.5%	-21%
49-9044	Millwrights	\$57,540/yr.	+1.7%	+15%
51-9083	Ophthalmic Laboratory Technicians: Precision Optical Goods Workers	\$26,880/yr.	+0.7%	+10%
47-2141	Painters, Construction and Maintenance	\$29,520/yr.	+1.1%	+7%
51-4193	Coating, Painting and Spraying Machine Setters, Operators and Tenders	\$30,200/yr.	+0.3%	-18%
47-2211	Sheet Metal Workers	\$36,270/yr.	+1.4%	+7%
51-4111	Tool and Die Makers	\$54,820/yr.	+0.9%	-13%
51-4121	Welders, Cutters, Solderers and Brazers	\$33,480/yr.	+0.8%	+4%
<b>Bachelor's Degrees Colleges / Universities</b>				
11-3051	Industrial Production Managers	\$77,160/yr.	+0.6%	-4%

N/A = Data Not Available

Employment is projected to:	Growth compared to average:
increase 21 percent or more	Grow much faster than average
increase 14 to 20 percent	Grow faster than average
increase 7 to 13 percent	Grow about as fast as average
increase 3 to 6 percent	Grow more slowly than average
decrease 2 percent to increase 2 percent	Little or no change
decrease 3 to 9 percent	Decline slowly or moderately
decrease 10 percent or more	Decline rapidly