



**MANUFACTURING CAREER CLUSTER
PATHWAY: MANUFACTURING PRODUCTION PROCESS DEVELOPMENT**

| DEGREE/TRAINING REQUIRED Standard Occupational System (SOC) Code | OCCUPATION | KANSAS MEDIAN ANNUAL WAGE ⁱ | % CHANGE / EMPLOYMENT PROSPECTS | |
|--|--|--|------------------------------------|---------------------------------|
| | | | KANSAS 2012-2022 ⁱⁱ | USA 2014-2024 ⁱⁱⁱ |
| -Associate Degree -Certifications -On the Job Training -2 Yr. Community/Technical Colleges -Registered Apprenticeship | | | | |
| 17-3026 | Industrial Engineering Technicians: Manufacturing Technicians | \$26.90/hr. | +13% | -5% |
| 17-3024 | Electro-Mechanical Technicians | N/A | N/A | +1% |
| 17-3029 | Engineering Technicians, Except Drafters, All Other | \$29.12/hr. | +13% | N/A |
| 17-3027 | Mechanical Engineering Technicians | \$25.15/hr. | +4% | +2% |
| 17-3022 | Civil Engineering Technicians | \$23.98/hr. | +10% | +5% |
| 17-3023 | Electrical and Electronic Engineering Technicians | \$28.72/hr. | +4% | -2% |
| 17-3026 | Industrial Engineering Technicians: Lab Tech./Process Control Tech./Process Improvement Tech./Quality Control Tech. | \$26.90/hr. | +13% | -5% |
| 51-8013 | Power Plant Operators | \$26.32/hr. | +11% | -6% |
| 51-9061 | Inspectors, Testers, Sorters, Samplers, and Weighers: Precision Inspectors, Testers, and Graders | \$18.58/hr. | +11% | +0% |
| 50-1011 | First-Line Supervisors/Managers of Production and Operating Workers | N/A | N/A | +2% |

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

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

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

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|---|--|--|------------------------------------|---------------------------------|
| | | | KANSAS 2012-2022 ⁱⁱ | USA 2014-2024 ⁱⁱⁱ |
| Bachelor's Degrees Colleges / Universities | | | | |
| 17-2112 | Industrial Engineers: Manufacturing Engineers | \$36.15/hr. | +11% | +6% |
| 17-2051 | Civil Engineers: Design Engineers | \$34.93/hr. | +20% | +19% |
| 17-2141 | Mechanical Engineers: Design Engineers | \$35.33/hr. | +14% | +9% |
| 17-2072 | Electronics Engineers: Except Computer | \$38.86/hr. | -3% | +5% |
| 17-2071 | Electrical Engineers | \$38.83/hr. | +13% | +7% |
| 13-1078 | Human Resources, Training and Labor Relations Specialists, All Other | \$26.65/hr. | +17% | +21% |
| 11-3051 | Industrial Production Managers | \$37.61/hr. | +14% | +9% |
| 13-1023 | Purchasing Agents | \$28.34/hr. | +7% | +5% |

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 |