Industrial Engineering Technologists and Technicians
17-3026.00

Description: Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff.

Other Resources:
ONET Link
MyNextMove Link

Sample of Reported Job Titles: Business Process Analyst, Engineering Technician

Job Zone

Title: 3 - Medium Preparation Needed

Education: Require training in vocational schools, related on-the-job experience, or an associate's degree.
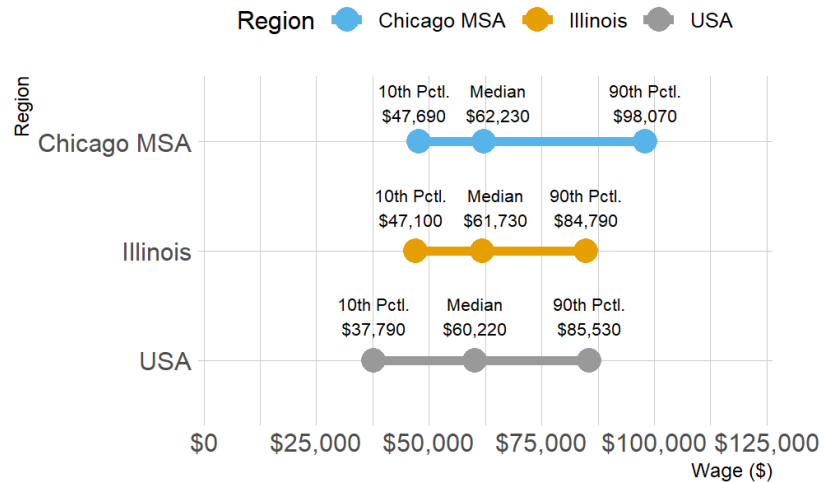
Experience: Previous work-related skill, knowledge, or experience is required.

Training: One or two years of training involving both on-the-job experience and informal training with experienced workers needed. A recognized apprenticeship program may be associated with these occupations.

Core Certifications: SACA C-101 Certified Industry 4.0 Associate - Basic Operations, SACA C-104 Certified Industry 4.0 Associate - IIoT, Networking & Data Analytics

Hot Technologies: Autodesk AutoCAD, Autodesk Inventor, Bentley MicroStation, C++, Computer aided design CAD software, Dassault Systemes CATIA

Region	Employment	Location Quotient	Median Wage
Chicago MSA	1,100	0.59	$62,230
Illinois	1,800	0.73	$61,730
USA	62,030	–	$60,220

Region ● Chicago MSA ● Illinois ● USA

Top 5 Core Tasks According to Current Job Holders	Frequency	Importance (out of 100)
Compile and evaluate statistical data to determine and maintain quality and reliability of products.	More than weekly	73
Test selected products at specified stages in the production process for performance characteristics or adherence to specifications.	Daily	73
Study time, motion, methods, or speed involved in maintenance, production, or other operations to establish standard production rate or improve efficiency.	Daily	70
Read worker logs, product processing sheets, or specification sheets to verify that records adhere to quality assurance specifications.	Daily	69
Verify that equipment is being operated and maintained according to quality assurance standards by observing worker performance.	Daily	68

Nathalie P. Voorhees Center for Neighborhood and Community Improvement