

Mechanical Engineering Technologists and Technicians

17-3027.00



Description: Apply theory and principles of mechanical engineering to modify, develop, test, or adjust machinery and equipment under direction of engineering staff or physical scientists.

Other Resources:

[ONET Link](#)
[MyNextMove Link](#)

Sample of Reported Job Titles: Engineering Lab Technician, Engineering Technical Analyst

Job Zone

Title: 3 - Medium Preparation Needed

Education: Require training in vocational schools, related on-the-job experience, or an associate's degree.

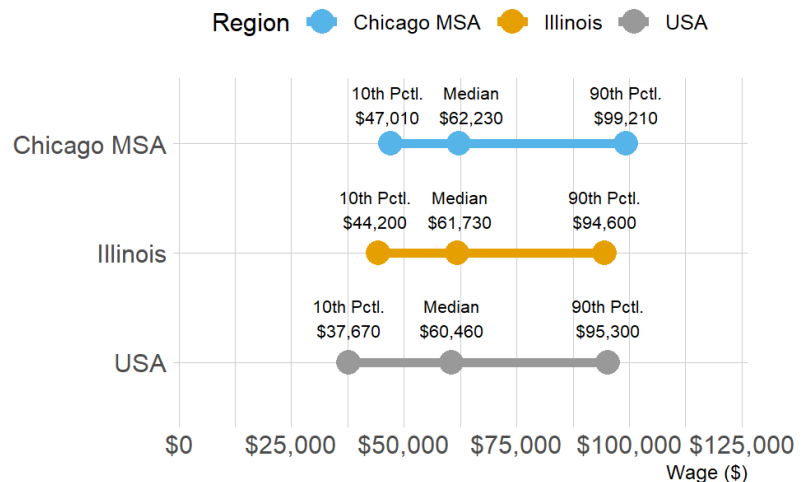
Experience: Previous work-related skill, knowledge, or experience is required.

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-103 Certified Industry 4.0 Associate - Robot System Operations, SACA Certified Industry 4.0 Automation Systems Specialist I

Hot Technologies: Autodesk AutoCAD, Autodesk AutoCAD Mechanical, Autodesk Inventor, Autodesk Revit, Bentley MicroStation, C++, Computer aided design CAD software

Region	Employment	Location Quotient	Median Wage
Chicago MSA	1,320	1.09	\$62,230
Illinois	1,910	1.19	\$61,730
USA	40,180	—	\$60,460



Top 5 Core Tasks According to Current Job Holders	Frequency	Importance (out of 100)
Calculate required capacities for equipment of proposed system to obtain specified performance and submit data to engineering personnel for approval.	Daily	76
Review project instructions and blueprints to ascertain test specifications, procedures, and objectives, and test nature of technical problems such as redesign.	Daily	75
Draft detail drawing or sketch for drafting room completion or to request parts fabrication by machine, sheet or wood shops.	More than weekly	73
Analyze test results in relation to design or rated specifications and test objectives, and modify or adjust equipment to meet specifications.	More than monthly	71
Record test procedures and results, numerical and graphical data, and recommendations for changes in product or test methods.	More than weekly	70