

## Electro-Mechanical and Mechatronics Technologists and Technicians

17-3024.00



**Description:** Operate, test, maintain, or adjust unmanned, automated, servomechanical, or electromechanical equipment.

### Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

**Sample of Reported Job Titles:** Designer, Electro-Mechanic, Electro-Mechanical Technician (E/M Technician)

### Job Zone

**Title:** 3 - Medium Preparation Needed

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

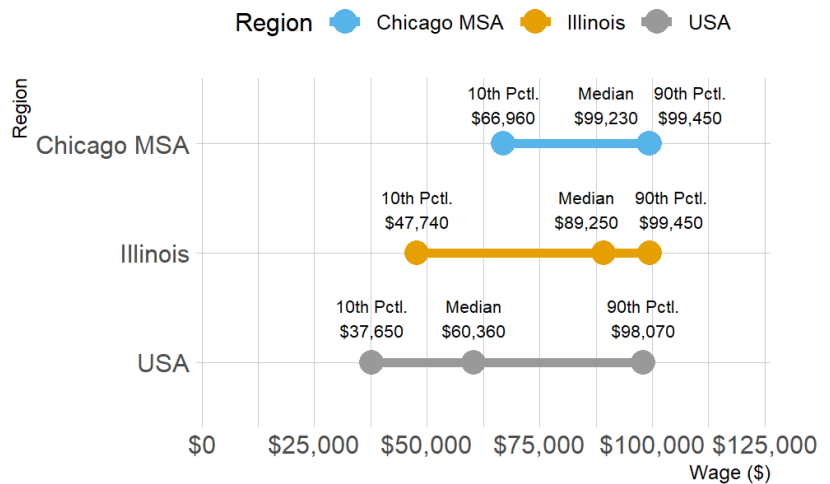
**Experience:** Previous work-related skill, knowledge, or experience is required.

**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-102 Certified Industry 4.0 Associate - Advanced Operations

**Hot Technologies:** Autodesk AutoCAD, Autodesk Inventor, C++, Computer aided design CAD software, Dassault Systemes SolidWorks, ESRI ArcGIS software, Linux

Region	Employment	Location Quotient	Median Wage
Chicago MSA	240	0.70	\$99,230
Illinois	310	0.68	\$89,250
USA	11,590	—	\$60,360



Top 5 Core Tasks According to Current Job Holders	Frequency	Importance (out of 100)
Test performance of electromechanical assemblies, using test instruments such as oscilloscopes, electronic voltmeters, or bridges.	Hourly or more	86
Read blueprints, schematics, diagrams, or technical orders to determine methods and sequences of assembly.	Daily	85
Inspect parts for surface defects.	Daily	83
Install electrical or electronic parts and hardware in housings or assemblies, using soldering equipment and hand tools.	Hourly or more	82
Verify part dimensions or clearances to ensure conformance to specifications, using precision measuring instruments.	More than weekly	80