

Chemical Technicians

19-4031.00



Description: Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for research and development of new products or processes.

Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

Sample of Reported Job Titles: Analytical Laboratory Technician (Analytical Lab Technician)

Job Zone

Title: 3 - Medium Preparation Needed

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

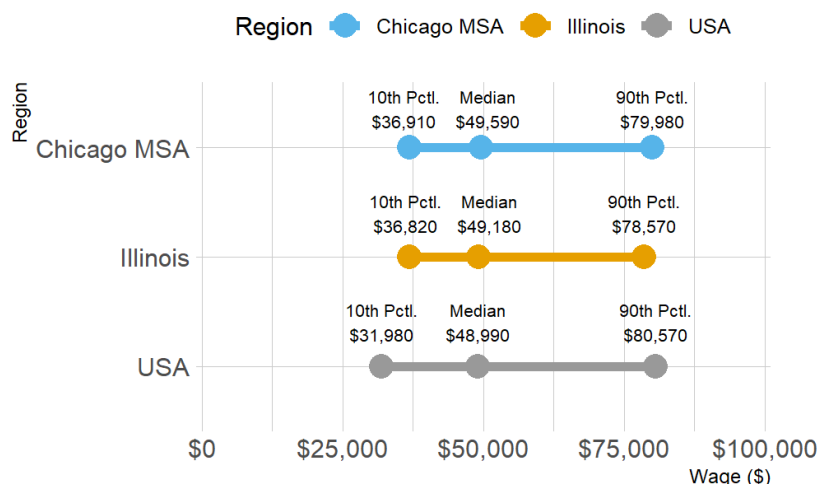
Experience: Previous work-related skill, knowledge, or experience is required.

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: Clinical Chemistry Technologist, Combustion Analysis Certification

Hot Technologies: C++, Database software, Linux, Microsoft Access, Microsoft Office Suite, Oracle Java, Oracle software, Python

Region	Employment	Location Quotient	Median Wage
Chicago MSA	1,780	1.03	\$49,590
Illinois	2,150	0.94	\$49,180
USA	57,690	—	\$48,990



Top 5 Core Tasks According to Current Job Holders

Importance
Frequency (out of 100)

Conduct chemical or physical laboratory tests to assist scientists in making qualitative or quantitative analyses of solids, liquids, or gaseous materials.

Daily

90

Maintain, clean, or sterilize laboratory instruments or equipment.

Daily

89

Monitor product quality to ensure compliance with standards and specifications.

Hourly or more

87

Set up and conduct chemical experiments, tests, and analyses, using techniques such as chromatography, spectroscopy, physical or chemical separation techniques, or microscopy.

Hourly or more

87

Prepare chemical solutions for products or processes, following standardized formulas, or create experimental formulas.

Daily

87