

Chemists 19-2031.00



Description: Conduct qualitative and quantitative chemical analyses or experiments in laboratories for quality or process control or to develop new products or knowledge.

Other Resources:

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

Sample of Reported Job Titles: Air Quality Chemist, Analytical Chemist, Chemical Laboratory Scientist

Job Zone

Title: 4 - Considerable Preparation Needed

Education: Require a four-year bachelor's degree.

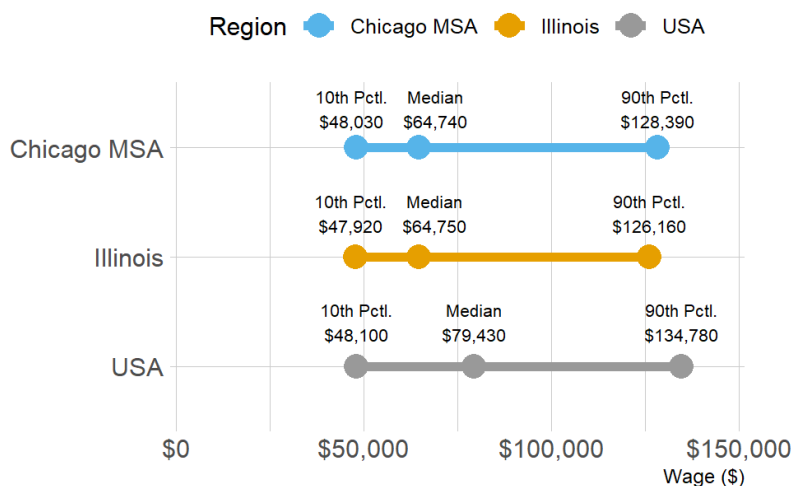
Experience: A considerable amount of work-related skill, knowledge, or experience is needed.

Training: Several years of work-related experience, on-the-job training, and/or vocational training needed.

Core Certifications: Clinical Chemist, Chemical Hygiene Officer

Hot Technologies: C++, ChemInnovation Software Chem 4-D, ChemSW Molecular Modeling Pro, Extensible markup language XML, Hypercube HyperChem

Region	Employment	Location Quotient	Median Wage
Chicago MSA	2,600	1.07	\$64,740
Illinois	3,140	0.98	\$64,750
USA	80,600	—	\$79,430



Top 5 Core Tasks According to Current Job Holders

Importance
Frequency (out of 100)

Analyze organic or inorganic compounds to determine chemical or physical properties, composition, structure, relationships, or reactions, using chromatography, spectroscopy, or spectrophotometry techniques.

Hourly or more

90

Conduct quality control tests.

Daily

90

Maintain laboratory instruments to ensure proper working order and troubleshoot malfunctions when needed.

Daily

89

Prepare test solutions, compounds, or reagents for laboratory personnel to conduct tests.

More than weekly

86

Compile and analyze test information to determine process or equipment operating efficiency or to diagnose malfunctions.

Daily

84