

# Chemist (19-2031.00)



## At-a-Glance Statistics

### Sample Job Titles

Air Quality Chemist, Analytical Chemist, Chemical Laboratory Scientist, Chemist, Forensic Chemist, Forensic Scientist, Quality Control Chemist (QC Chemist), Research Chemist, Scientist, Senior Chemist

### Key Tasks

- Analyze organic or inorganic compounds to determine chemical or physical properties, composition, structure, relationships, or reactions, using chromatography, spectroscopy, or spectrophotometry techniques.
- Conduct quality control tests.
- Maintain laboratory instruments to ensure proper working order and troubleshoot malfunctions when needed.
- Prepare test solutions, compounds, or reagents for laboratory personnel to conduct tests.
- Induce changes in composition of substances by introducing heat, light, energy, or chemical catalysts for quantitative or qualitative analysis.
- Evaluate laboratory safety procedures to ensure compliance with standards or to make improvements as needed.
- Compile and analyze test information to determine process or equipment operating efficiency or to diagnose malfunctions.
- Write technical papers or reports or prepare standards and specifications for processes, facilities, products, or tests.
- Confer with scientists or engineers to conduct analyses of research projects, interpret test results, or develop nonstandard tests.
- Develop, improve, or customize products, equipment, formulas, processes, or analytical methods.
- Direct, coordinate, or advise personnel in test procedures for analyzing components or physical properties of materials.

## Education and Training



Bachelor's Degree

86%



Master's Degree

7%



Associate's

4%

## Top Industries



Manufacturing  
Professional, Scientific,  
and Technical Services

## Number Employed



88,000 positions  
4,400 job openings

## Median Wages



Hourly

\$36.97



Annually

\$76,890

## Top Ten States for Occupational Percentage Growth

