

Chemists



Science, Technology,
Engineering and Mathematics

Also called: Analytical Chemist, Chemist, **On the job, you would:**

Forensic Scientist, Research Chemist

What they do:

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

- 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.

Knowledge

Engineering & Technology

- computers and electronics
- product and service development

Math & Science

- chemistry
- arithmetic, algebra, geometry, calculus, or statistics

Manufactured or Agricultural Goods

- manufacture and distribution of products

Personality

People interested in this work like activities that include **ideas, thinking**, and figuring things out.

They do well at jobs that need:

- **Dependability**
- **Attention to Detail**
- **Integrity**
- **Cooperation**
- **Analytical Thinking**
- **Adaptability/Flexibility**

Wages

\$ 30.84
Per Hour
64,155
Per Year

Skills

Basic Skills

- using scientific rules and strategies to solve problems
- reading work related information

Problem Solving

- noticing a problem and figuring out the best way to solve it

People and Technology Systems

- measuring how well a system is working and how to improve it
- figuring out how a system should work and how changes in the future will affect it

Technology

You might use software like this on the job:

Database user interface & query software

- ChemSW Buffer Maker
- LabTrack Electronic Lab Notebook

Analytical or scientific software

- Agilent ChemStation
- Waters Empower Chromatography Data Software

Graphics software

- Digital imaging software
- Graphics software

Abilities

Ideas & Logic

- make general rules or come up with answers from lots of detailed information
- use rules to solve problems

Verbal

- listen & understand what people say
- read and understand what is written

Math

- add, subtract, multiply, or divide
- choose the right type of math to solve a problem

Hand and Finger Use

- put together small parts

Education



Bachelor's
degree

Job Outlook

19 Annual
Openings

H³ High Wage,
Skill, Demand
Occupation

Produced by the Nebraska Department of Labor, Office of Labor Market Information
Education and Job Outlook from 2010-2020 Long-term Occupational Projections
Average wages from Occupational Employment Statistics, 4th Quarter 2015
All other information from O*NET online
March 2016



NEBRASKA
DEPARTMENT OF LABOR

Equal Opportunity Program/Employer

TDD: 800.833.7352

Auxiliary aids and services are available upon
request to individuals with disabilities.