



# STEM Careers

## Chemist

**Job Description:** Conduct chemical analysis or chemical experiments in laboratories for quality or process control or to develop new products or knowledge. There are different types of chemists.

### What do Chemists do?

- Analyze organic and inorganic compounds to determine chemical or physical properties using various techniques.
- Maintain lab instruments to ensure that they are in proper working order.
- Develop and improve products, equipment, formulas, processes and analytical methods.
- Conduct quality control tests.
- Prepare test solutions, compounds, and reagents for laboratory personnel to conduct tests.
- Change the composition of substances using heat, light, energy, and chemicals in order to study them.
- Work with other scientists on projects.

### Your Interests:

- Can you perform calculations quickly with great accuracy?
- Do you like to solve logic problems?
- Are you a good problem solver?
- Do you like to do science experiments?

### Outlook:

Average Salary - \$32.80 hourly, \$68,220 annually  
Projected Job Openings - 30,000 over the next 10 years

### Education/Program of Study:

- Bachelor's Degree in Chemistry, Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Chemical Physics, or related field of study.
- Ph.D. recommended for research