



## STEM Careers

# Water Resource Specialist

**Job Description:** Design or implement programs and strategies related to water resources issues such as supply, quality, and regulatory compliance issues.

### What does a Water Resource Specialist do?

- Perform hydrologic, hydraulic, or water quality modeling
- Conduct investigations on matters such as water storage, wastewater discharge, pollutants, permits, or other compliance and regulatory issues
- Develop plans to protect watershed health or rehabilitate watersheds
- Present water resource proposals to the government or community groups
- Conduct chemical, physical, and biological water quality monitoring or sampling
- Conduct technical studies for water resources on topics such as pollutants and water treatment
- Review or evaluate designs for water detention facilities, storm drains, flood control facilities, or other hydraulic structures

### Your Interests:

- Are you interested in maintaining water quality for your local community?
- Do you want to preserve or improve local water resources?

### Outlook:

Average Salary - \$66.30 hourly, \$137,900 annually

Projected Job Openings – 6,000 in the next 10 years

### Education/Program of Study:

- Entry level position requirements can range from a bachelor's degree to a master's degree.
  - Possible degree paths include chemistry, hydrology, geology, engineering, and other related areas.

Sources:

<https://www.onetonline.org/link/summary/11-9121.02>