



STEM Careers

Water/Wastewater Engineer

Job Description: Designs or oversees projects involving water and water resources, including drinking water, wastewater disposal, and flood damage prevention. Prepare environmental documents for water resources, field work, and data analysis. Model hydraulics and pipelines.

What does a Water/Wastewater Engineer do?

- Design, review, and critique proposals and plans related to water treatment systems
- Design pumping systems, pumping stations, pipelines, drains, or sewers for wastewater collection and water distribution
- Conduct water quality studies to identify and characterize pollutant sources
- Analyze and recommend chemical or other treatment methods to prepare water for household or industrial use
- Analyze stormwater and floodplain drainage systems to control erosion, design bridges, stabilize riverbanks, and more
- Conduct environmental impact studies related to water and wastewater treatment, collection, and distribution

Your Interests:

- Are you interested in how water is distributed?
- Do you want to study the environmental impact of water?
- Are you creative?
- Do you like solving problems?

Outlook:

Average Salary - \$42.33 hourly, \$88,050 annually
Projected Job Openings - 25,000 in the next 10 years

Education/Program of Study:

- Most entry level positions require a bachelors degree.
- Degree paths include chemistry, mechanical engineering, hydrology, environmental science, and related fields