

HYDROLOGIST

Hydrologists oversee and implement the examination of water that is either above or below the earth's surface through physical characteristics, distribution, and circulation.

WHAT RESPONSIBILITIES WILL I HAVE?

- Research and understand the movement of water in the environment and its impacts on the environment
- Supervision of field activities/research trials
- Oversee groundwater flow and transport modeling in the environment
- Assessment of natural attenuation processes in soil and groundwater
- Perform environmental consulting
- Design dams, ponds, piping and pumping systems, as well as sewage system for rainfall
- Study water contamination, how it takes place and prevention
- Predict changes in climates and ecosystems
- Supervise technicians assisting with your research or field work
- Prepare reports and documents with findings and recommendations
- Advise clients on ways they can preserve their water sources



WHAT EDUCATION & TRAINING IS REQUIRED?

Bachelor's or advanced degree in biology or a related field, such as earth science, geology, chemistry or environmental science/engineering

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, science, biology, chemistry, earth science, geology, physics, mathematics

TYPICAL EMPLOYERS

Research firms, environmental organizations, conservation authorities, state and federal government, colleges/universities

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- American Water Resources Association
- International Association for Environmental Hydrology

AVERAGE ANNUAL FULL-TIME SALARY

\$59,000