

TOXICOLOGIST

A toxicologist studies chemicals and their effects on living beings and the environment. The goal of a toxicologist is to maintain a good standard of health for the earth and all living things.

WHAT RESPONSIBILITIES WILL I HAVE?

- Comply, analyze and interpret field as well as laboratory toxic substances
- Oversee drug and product safety and health risks during all phases of development
- Attain toxicological, chemical and biological data plus reports conclusions
- Develop and implement investigative toxicology studies
- Conducts chemical, physical and toxicological properties analysis of chemical substances and evaluate associated hazards
- Critically review, evaluate, and interpret current scientific literature, research data and investigative reports, medical findings and reports
- Develop rational and criteria for analyzing chemical hazards
- Identify probable toxic substance components presence in emissions, discharges and waste streams
- Conduct exposure and risk assessments
- Support to develop environmental supervising programs for all toxic substances
- Review and analyze test methods protocols to verify validity and adequacy of use for entire application to evaluate different toxic substance issues
- Maintain and prepare records, reports plus correspondence pertinent to work
- Be able to provide expert advice and recommendations orally and in writing



WHAT EDUCATION & TRAINING IS REQUIRED?

Most opportunities require a Master's or Doctorate in chemistry or biology; some may work as an assistant with an Associate's degree

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, English, statistics, algebra, biology, chemistry, physics

TYPICAL EMPLOYERS

Biotechnology companies, academia, animal pharmaceutical companies, government agencies

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- Society of Toxicology
- American Veterinary Medical Association
- American Clinical Laboratory Association

AVERAGE ANNUAL FULL-TIME SALARY

\$75,000