

Class Concept

This is expert technical work in determining the potential adverse health effects resulting from exposure to toxic and hazardous substances and to determine whether reported effects can be attributed to a particular chemical exposure.

Position examines the levels of chemical and physical agents in such media as food, water, air and soil, determine the extent of exposure to the population in question, evaluate pertinent scientific literature, make recommendations on potential adverse health effects and, as necessary, assist in overall risk assessment. Work requires regular contact with other state regulatory programs that deal with toxics and assisting with the development of programs, regulations, and/or statutes to deal with toxic problems. Work is performed under general supervision and may include other duties as assigned.

Recruitment Standards

Knowledge, Skills, and Abilities

- Thorough knowledge of environmental, biological, and ecological sciences and issues.
- Considerable knowledge of inorganic, organic and biochemistry, physics, botany, zoology, cell biology, genetics, pharmacology, pathology, and medicine.
- Considerable knowledge of state and federal laws, regulations, and programs pertaining to environmental control and environmental toxicology.
- Considerable knowledge and ability to assess environmental contamination.
- Ability to problem solve and synthesize environmental biological, and ecological variables, to conduct work in a multidisciplinary setting, and to make recommendations for their control.
- Ability to explain, interpret, and revise or develop programs and legislation, and to recognize program and policy needs.
- Ability to plan, conduct, and/or coordinate research efforts.
- Ability to communicate effectively in oral and written form; and to prepare technical grant and research documents.
- Ability to develop and maintain effective working relationships with state and federal agencies, related industry and university personnel, co-workers, and the general public.

Minimum Education and Experience

Doctorate in chemistry from an appropriately accredited institution and two years of experience in environmental toxicology; or an equivalent combination of training and experience.

Note: This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA.