ENVIRONMENTAL HEALTH SCIENCES

Visit our Website www.albany.edu/sph/ehs

The Department prepares students for technical, professional, and supervisory careers in academic institutions, public agencies, and industry. The curriculum emphasizes the application of modern chemical, biological, physical and medical sciences to help solve public health problems related to the environment.

The Department offers PhD, MS, and MPH Programs in Environmental Chemistry, Toxicology, and Environmental and Occupational Health.

ENVIRONMENTAL CHEMISTRY

This track addresses population exposure to chemical contaminants and physical, chemical and biological processes that are involved in the transportation and transformation of contaminants in the environment and human media. Specific areas of research include:

- Analytical method and applications for the measurements of organic and inorganic contaminants in environmental and biological media.
- Aquatic chemistry and aquatic systems.
- Nuclear chemistry and environmental radioactivity.
- Atmospheric chemistry and air pollution.
- Aquatic chemistry environmental radioactivity.
- Aquatic chemistry and water treatment.

ENVIRONMENTAL CHEMISTRY

This track addresses the toxic effects of chemicals. Research specializations are available in:

- Environmental biology.
- Neurotoxicology.
- Genomics.
- Molecular epidemiology.
- Nanotoxicology.
- Chemical carcinogenesis.
- Immunotoxicology.
- Molecular toxicology.
- Drug metabolism.
- Chemical carcinogenesis.
- Environmental toxicology.
- Immunotoxicology.
- Molecular toxicology.
- Chemical carcinogenesis.
- Immunotoxicology.

TOXICOLOGY

This track addresses the toxic effects of chemicals. Research specializations are available in:

- Environmental biology.
- Neurotoxicology.
- Genomics.
- Molecular epidemiology.
- Nanotoxicology.
- Chemical carcinogenesis.
- Immunotoxicology.
- Molecular toxicology.
- Chemical carcinogenesis.
- Immunotoxicology.

ENVIROMENTAL AND OCCUPATIONAL HEALTH

The Department provides a bridge between the biological, physical, and behavioral sciences. Research specializations are available in:

- Exposure assessment.
- Environmental and occupational epidemiology.
- Air, soil, and water pollution.
- Control of food and waterborne diseases.
- Radiological health.
- Risk communication.
- Occupational medicine.
- Chemical carcinogenesis.
- Immunotoxicology.

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ENVIRONMENTAL HEALTH SCIENCES

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This track addresses the toxic effects of chemicals. Research specializations are available in:

- Environmental chemistry
- Nuclear chemistry and environmental radioactivity
- Aquatic chemistry and water treatment

This track addresses the toxic effects of chemicals. Specializations are available in:

- Environmental biology
- Neurotoxicology
- Genomics
- Molecular epidemiology
- Nanotoxicology
- Drug metabolism
- Molecular toxicology
- Chemical carcinogenesis
- Immunotoxicology

TOXICOLOGY

ENVIRONMENTAL AND OCCUPATIONAL HEALTH

The health track provides a bridge between the biological, physical, and behavioral sciences. Research specializations are available in:

- Exposure assessment
- Environmental and occupational epidemiology
- Chemical carcinogenesis
- Immunotoxicology
- Risk communication
- Occupational health hazards

This track addresses population exposure to chemical contaminants and physical, chemical, and biological processes that are involved in the transportation and transformation of contaminants in the environment and biological media. Specific areas of research include:

- Analytical methods and applications for the measurement of organic and inorganic contaminants in environmental and biological media
- Atmospheric chemistry and air pollution
- Nuclear chemistry and environmental radioactivity
- Aquatic chemistry and water treatment

The Department offers PhD, MS, and MPH programs in Environmental Chemistry, Toxicology, and Environmental and Occupational Health tracks.

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