

Environmental Science Technology - Program Competencies

- **Demonstrate an awareness of pollution impacts on human health and the environment.**
- **Observe laboratory safety guidelines.**
- **Demonstrate proper handling of laboratory equipment and supplies.**
- **Identify sources, sinks, effects, and treatment options for various environmental pollutants.**
- **Perform sampling and analysis of air, water, and soil samples according to standard operating procedures and quality assurance/quality control methods.**
- **Collect, analyze, and interpret environmental data.**
- **Present data in oral and written formats when appropriate.**
- **Describe major processes in the hydrologic cycle and relate those processes to the fate and transport of chemicals in terrestrial and aquatic ecosystems.**
- **Demonstrate knowledge of developing environmental issues and technologies.**
- **Locate, access, and properly use sources of information pertinent to environmentally related topics.**
- **Describe the general responsibilities that the regulated community has in complying with major environmental laws and regulations.**
- **Explain the structure and function of government agencies relevant to the environmental regulatory process.**