

Environmental Toxicology Area of Emphasis Electives

These courses **can** be completed in addition to the minimum requirements for the [PhD](#), [MS Thesis](#), [MS Applied](#) or [MPH](#) in Environmental Health Sciences. Areas of Emphasis are not transcribed.

Students will attain these competencies by completing the electives below:

- Define the major classes of toxicants present in the environment and the workplace and describe their sources, pathways, and routes of exposure
- Describe and analyze how toxicants interact with biological systems and the mechanisms by which they elicit adverse effects in humans and other organisms
- Explain the core principles of research ethics and apply these principles to specific research projects
- Discuss regulatory authorities responsible for assessing toxic hazards
- Describe relevant toxicology-related health and safety regulations

See DEOHS Courses Page for Recent Syllabi <https://deohs.washington.edu/course-information>

Complete these courses:	
ENV H 515 Organ System Toxicology (Winter)	4
ENV H 516 Toxic Agents: Effects and Mechanisms (Spring)	4
ENV H 591 Current Topics in Toxicology (Winter)	2
ENV H 593 Current Topics in Risk Assessment (Autumn/Spring)	2
ENV H 577 Risk Assessment for Environmental Health (Autumn)	4
ENV H 531 Neurotoxicology (Winter in even years)	3
ENV H 532 Reproductive and Developmental Toxicology (Winter in odd years)	3

* This list does not show courses which may be required by your funding from a training grant, such as the [Northwest Center for Occupational Health and Safety \(NWCOS\) Education and Research Center \(ERC\)](#). Please confirm which courses are required for your funding with the Training Grant Manager.