

TOXICOLOGY, DOCTOR OF PHILOSOPHY (PH.D.)

The PhD in Toxicology requires a minimum of 46 credits, in addition to 12 credits of TOXI899. Students are also required to complete a minimum of 12 credits in two areas of specialization (six credits in each), included in the 46 credit total.

The PhD program consists of a minimum of 46 credit hours of graduate courses, in addition to 12 credits of Doctoral Dissertation Research. The two areas of specialized focus could be in areas like Advanced Epidemiology/Biostatistics, Analytical Chemistry, Pharmacology, Pathology/Immunology/Microbiology, or Environmental Science/Ecology/Climate. Program requirements for a PhD degree in toxicology also include successful completion of a written and oral comprehensive exam in the format of an NIH research proposal, oral defense of a written dissertation research proposal, and a minimum of 12 credits of PhD dissertation research, written dissertation, and a final dissertation defense. The program can be completed on either a full- or part time basis. It is anticipated that students will complete more than the minimum number of credits.

Course	Title	Credits
Required courses:		
MIEH720	Principles of Toxicology	3
MIEH740	Environmental Health Risk Assessment	3
MIEH770	Law and Policy in Environmental Health	3
MIEH771	Exposure Assessment of Environmental Hazards	3
EPIB610	Foundations of Epidemiology	3
EPIB611	Intermediate Epidemiology	3
EPIB650	Biostatistics I	3
EPIB651	Applied Regression Analysis	3
EPIB641	Public Health and Research Ethics	1
TOXI609	Methods in Toxicology	6
MIEH688	Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health	3
HLTH665	Health Behavior I: Theoretical Foundations of Health Behavior	3
HLSA601	Introduction to Health Systems	3
Specialization one courses		6
Specialization two courses		6
Dissertation Research Requirements		
TOXI899	Doctoral Dissertation Research	12
Total Credits		64