MS and Ph.D. Students:

Upon successful completion of any of the interdisciplinary graduate degree programs in Toxicology, students should be able to:

1) Demonstrate working knowledge and comprehension of toxicological principles, including, but not limited to, dose-response, mechanisms of action, toxicokinetics, target organ toxicity, environmental fate and transport of chemicals and chemical induced-toxicity and cancer.
2) Employ strong critical thinking skills in analyzing and interpreting toxicological data.
3) Apply problem-solving skills to synthesize, evaluate and test hypotheses.
4) Evaluate and critique both current and emerging areas of toxicology research, emerging technologies and issues in toxicology.

MS Students
Additionally, upon successful completion of the MS in Toxicology, students should be able to:

5) Apply theory and toxicological principles in their research; and
6) Evaluate public/occupational/environmental health recommendations for exposures to chemicals, pathogens or toxic materials.

Ph.D. Students
Additionally, upon successful completion of the PhD in Toxicology, students should be able to:

5) Formulate scientific knowledge in the field of toxicology by conceiving, synthesizing and conducting original research.
6) Evaluate public/occupational/environmental health hazards risks from exposure to chemicals, pathogens or toxic materials using advanced research methods; and
7) Construct research findings and scientific literature to inform public policy by making public/occupational/environmental health recommendations concerning risks of exposures to chemicals, pathogens or toxic materials.