



Accelerated Master's of Science in Toxicology

An Accelerated Master's Platform (AGP) Program administered by the Department of Environmental and Molecular Toxicology (EMT)

The Accelerated Master's Platform (AMP) enables highly motivated students to enroll in a graduate master's program while finishing their undergraduate degree. Graduate level classes (up to 9 credits) taken in the student's senior year are applied to both the undergraduate and graduate programs, enabling a seamless transition to graduate school and completion of the master's program within one year of completing their undergraduate degree.

The AMP in Toxicology (AMP-TOX) provides an exciting opportunity for students with an interest in the Environmental Health Sciences to earn a Master's of Science (MS) in Toxicology. Students majoring in science programs with appropriate interest and background, especially those pursuing an undergraduate minor in Toxicology, or those with interests in Pre-Health or other professional or graduate school opportunities are encouraged to apply.

The MS in Toxicology offers three different options for students enrolled in AMP-TOX, with a focus either on thesis research or advanced non-thesis training. Each option requires a shared core of study (foundational studies in the molecular basis of environmental disease, environmental chemistry and risk assessment) with different requirements for restricted and unrestricted electives. Supporting requirements include statistics and professional ethics. The curriculum emphasizes individualized programs of study based on the student's educational background and designed to meet the student's training, educational and professional goals. Required experiential learning and professional development ensure students are well trained in transferable skills necessary to meet the challenges of professional work in many fields.

- **Option 1. Thesis research in the Environmental Health Sciences**
 - Hypothesis-driven thesis research generally addresses one of two concentration areas: Environmental Chemistry and Ecotoxicology, or Molecular and Cellular Toxicology.
- **Option 2. Non-thesis study in Applied Toxicology**
 - Advanced course work and non-thesis research addressing important questions in the interdisciplinary field of toxicology
- **Option 3: Non-thesis study in Risk Analysis**
 - Collaborative program with the Department of Applied Economics (AE) emphasizing interdisciplinary training in environmental economics and law and the environmental health sciences

Department Contact: Andrew Buermeyer, Director of Academic Programs, Environmental and Molecular Toxicology, 541-737-8919, Andrew.buermeyer@oregonstate.edu