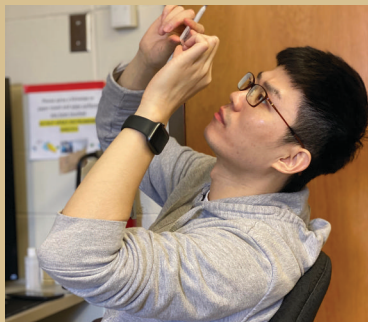


Purdue University

TOXICOLOGY GRADUATE PROGRAM



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School of Health
Sciences



MECHANISTIC AND APPLIED TOXICOLOGY TO IDENTIFY ADVERSE OUTCOMES FROM ENVIRONMENTAL EXPOSURES

Toxicology is the basic science of poisons. As such, it focuses on understanding the adverse effects of chemicals on living organisms by applying knowledge and techniques from biochemistry, chemistry, physiology, molecular biology, genomics, proteomics, and other disciplines.

The Purdue Toxicology graduate program has been well-established for decades and will prepare you to be a knowledgeable and skillful toxicologist to be employed in academia, business development, consulting, industry, government, and military. Roles include teaching, basic research on mechanisms of toxicity, application of toxicology research to safety evaluation of both new and existing chemicals, and risk analysis to characterize and predict the potential of chemicals to produce acute and chronic illness in human populations.

“The Toxicology Program at Purdue represents a well-designed, interdisciplinary training opportunity for future toxicologists - it shapes "you" into a "better you" to think, execute, and communicate toxicology.



PURDUE
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College of Health and Human Sciences

Purdue University

TOXICOLOGY GRADUATE PROGRAM

Take Your Career to New Heights

Alumni of Purdue's Toxicology graduate program have successfully taken on leadership roles across many universities as professors, companies, contract laboratories, and government agencies. Some examples include the University of Louisville, Cook Biotech, Amazon, PepsiCo, and more. With training in the Purdue Toxicology graduate program, you'll have abundant career opportunities available to you across a variety of fields.

Research Opportunities

In preparing for a career in toxicology, heavy emphasis is placed on laboratory research. Currently, the focus of toxicology in the School of Health Sciences is in three areas:

- 1) The role that chemical exposures, especially to dietary factors, pesticides, metals such as manganese, lead, and mercury, may play in brain diseases, including Parkinson's and Alzheimer's.
- 2) Molecular and systems toxicology, especially how toxicant effect gene expression.
- 3) Imaging toxicant accumulation and effects in human populations, animal models, and cell culture. In selecting, initiating, and conducting their research, graduate students at Purdue are encouraged to participate in interdisciplinary activities.

Graduate students will develop written and oral communication skills by attending and presenting at school seminars and research group meetings,

preparing manuscripts, and writing abstracts and presenting at regional and national scientific conferences.

Interdisciplinary Program

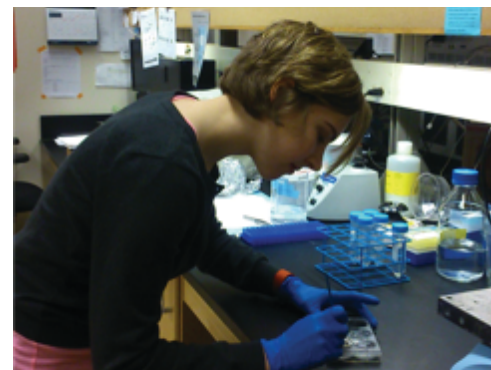
The School of Health Sciences is an interdisciplinary unit that also contains Occupational and Environmental Health Sciences, Health Physics, Medical Physics, and Imaging Sciences. Collaborations between these programs are common and Graduate Students are exposed to research from all areas. The School of Health Sciences Graduate Student Organization offers professional development and social events to connect you with our larger, inter-disciplinary student body.

Many opportunities exist for interactions with scientists in other areas through the Center for Cancer Research, Institute for Integrative Neuroscience, and the Institute for a Sustainable Future which bring together researchers from across campus.

Degree Options and Funding

Our program offers Master's degrees (thesis and non-thesis options), though the program is designed primarily for the Doctoral degree. All Doctoral students will be fully funded.

Limited half-time graduate assistantships and fellowships, with stipends are available to graduate students in health sciences.



\$105,000

AVERAGE STARTING SALARY

Early Toxicologist (PhD)

Tenth Triennial Toxicology Salary Survey

VISIT OUR WEBSITE AND APPLY TODAY!

FIND OUT MORE ABOUT OUR TOXICOLOGY GRADUATE PROGRAM AND HOW TO APPLY BY VISITING:

[PURDUE.LINK/TOX](https://Purdue.Link/TOX)

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