Toxicology-Related Academic Programs

Colorado State University
Toxicology Graduate Program
Degree(s) Offered: MS and PhD
Department: Environmental and Radiological Health Sciences
1680 Campus Delivery
Fort Collins, CO 80523

Program Director: Dr. Julie A Moreno
Email: julie.moreno@colostate.edu
Phone: 970.491.5410

Graduate program focus and areas of expertise:
The Professional Masters Program in Toxicology transitions graduates into MD, DVM, PharmD and other professional programs, as well as prepares students for research careers in industry and academia. Toxicology integrates closely with other medical and applied disciplines including Pharmacology, Forensic Science, Environmental Health, Ecological Toxicology, Infectious Disease, Nutrition and Food Safety, and Veterinary Science.

Summer research Internship program? No
Toxicology-Related Academic Programs

Columbia University Mailman School of Public Health
Data Sciences for Environmental Health
Degree(s) Offered: Master of Science
Department: Department of Environmental Health Sciences
722 West 168th Street
1105
New York, NY 10032

URL: https://www.publichealth.columbia.edu/academics/degrees/master-science/master-science-environmental-health-data-science-degree-program

Program Director: Dr. Andrea Baccarelli
Email: ab4303@cumc.columbia.edu
Phone: 212.305.5321

Graduate program focus and areas of expertise:
The field of Environmental Health Science has become increasingly dependent on the use of massive and complex data sources. Understanding how to work with, analyze, and interpret data used in the context of Environmental Health has rapidly become a highly valued, yet uncommonly taught, skill set. The Department of Environmental Health Science (EHS) is offering a Master of Science (MS) track in Environmental Health Data Science. The curriculum is designed to educate students in the field of environmental health and to provide the quantitative skills needed to work with and analyze these complex environmental health data sources used in the environmental health sciences, including geospatial modeling, advanced statistics, and data management. In addition to completing rigorous coursework, students gain valuable practical experience by completing a thesis. The thesis research project is meant to apply the skills that they have learned to an environmental health issue by working with data.

MS Environmental Health Data Science Program Requirements
The Data Science track is designed to be completed in 12 months but can accommodate part-time students, who may take up to three years to complete the Master’s program. Students in this program will complete:
- 36 credits of course work (listed below)
- A Master’s Research thesis

Educational Goals
The Department’s Environmental Health Data Science MS degree program will prepare students to:
- Develop relevant programming skills in “R”
- Write computationally efficient code
- Gain a strong knowledge base in Environmental Health Science and Biostatistics
- Work with imperfect/real-world data sets
- Rigorously critique data science-based research in environmental health
- Develop a data science-based model to and analyze data used in environmental health

Environmental Health Careers
Graduates with a Master of Science degree in Environmental Health Data Science are well qualified for environmental health and data science careers in local and regional departments of health, federal agencies such as the NIH, EPA, FDA, CDC, private companies, non-governmental organizations, and careers in research in academia, medicine, industry, and the military.

Summer research Internship program? Yes
Intern Program: Program to Inspire Minority and Underserved Undergraduates in Environmental Health Science Research (PrIMER)
Intern Program URL:
https://www.publichealth.columbia.edu/academics/departments/environmental-health-sciences/programs/non-degree-offerings/primer

Programs listed responded to a request for information March 2023.
Description: The Program to Inspire Minority and Underserved Undergraduates in Environmental Health Science Research (PrIMER) is a research program for full-time, undergraduate underrepresented minority, and underserved students who are typically underrepresented in STEM fields. PrIMER is funded by the National Institute for Environmental Health Sciences and provides research trainees the opportunity to gain valuable research experience in environmental health sciences. Students from Colleges and Universities in the New York City area are eligible to participate. PrIMER trainees commit to a two-year program beginning June before their junior year through December of their senior year. Trainees are paired with a Columbia University faculty member who serves as a research and academic mentor throughout the program. Trainees conduct research in environmental health sciences, attend weekly professional development workshops, and interact closely with Columbia University faculty. Each fall, trainees present their summer research experience at the PrIMER Research Symposium that takes place during our departmental seminar and is attended by faculty, students, and research staff. Trainees work with their mentor to continue research during the academic year. Additional program details: Compensation ($21.50/hour) throughout the program Summer session - 35 hours/week for 10 weeks Up to 5 hours/week during the academic year Professional GRE prep classes are provided to students during their senior year.
Toxicology-Related Academic Programs

Duke University
Integrated Toxicology and Environmental Health
Degree(s) Offered: PhD
Department:
Box 90328
Duke University
Durham, NC 27708-0328

URL: https://sites.nicholas.duke.edu/envhealth/

Program Director: Dr. Joel N Meyer
Email: joel.meyer@duke.edu
Phone: 919.806.7968

Graduate program focus and areas of expertise:
The mission of the Duke Integrated Toxicology and Environmental Health Program (ITEHP) is to prepare pre-doctoral students from a variety of backgrounds and educational disciplines for participation as rigorously trained research scientists active in environmental health careers. The field of environmental health is inherently interdisciplinary in nature, and participation in the ITEHP develops holistic thinking skills in trainees to better enable them to perform cutting edge research and to solve real-life problems in this field. This is achieved through the program’s focused classroom instruction largely completed during the first two years of training and laboratory rotations followed typically by two to three years of focused research.

Summer research Internship program? No
Toxicology-Related Academic Programs

Indiana University School of Medicine
Translational Toxicology
Degree(s) Offered: MS and PhD
Department: Pharmacology and Toxicology
635 Barnhill Dr., MS A414
Indianapolis, IN 46202

URL: medicine.iu.edu/translational-tox

Program Director: Dr. Richard Nass
Email: ricnass@iu.edu
Phone: 317.278.8505

Graduate program focus and areas of expertise:
The Department of Pharmacology and Toxicology is proud to announce the development of a novel Master of Science in Translational Toxicology. Toxicology spans professions that evaluate the adverse effects of toxicants on the environment to how therapeutics and experimental medicines affect human physiology. This one-year program meets an emerging need in toxicology to provide a foundation for understanding the complex interactions between toxicants or pharmaceutical leads and biological systems from an industry perspective. The program also includes an internship that will allow the graduate to utilize knowledge gained in their academic toxicological studies and incorporate them in a professional work environment. For more information, please visit medicine.iu.edu/translational-tox or contact the Program Director Dr. Richard Nass at ricnass@iu.edu

Summer research Internship program? No
Toxicology-Related Academic Programs

John Jay College of Criminal Justice
Master of Science Program in Forensic Science
Degree(s) Offered: MS
Department: Sciences
524 West 59th street
New York, NY 10019

Program Director: Dr. Mechthild Prinz
Email: mprinz@jjay.cuny.edu
Phone: 212.621.3751

Program Contact: Dr. Shu-Yuan Cheng
Email: shcheng@jjay.cuny.edu
Phone: 646.557.4637

Graduate program focus and areas of expertise:
The Masters program is an eclectic program designed to provide graduate level education to individuals wishing to become scientists, administrators, laboratory directors, educators and professionals in a number of forensic science sub-specialties, such as criminalistics, forensic toxicology, and forensic biology.

Summer research Internship program? Yes
Intern Program: Program for Research Initiatives in Science & Math
Intern Program URL: https://www.jjay.cuny.edu/program-research-initiatives-science-math-prism
Description: PRISM groups various initiatives aimed at supporting science and math students at John Jay College. Our programs engage students and provide them with academic and pre-professional advisement to prepare them for success at John Jay and in their future careers. Our goal is to help our students see themselves as scientists and future professionals and to expose them to opportunities for further training and growth.

Programs listed responded to a request for information March 2023.
Toxicology-Related Academic Programs

Louisiana State University Health Sciences Center Shreveport
Department of Pharmacology, Toxicology & Neuroscience
Degree(s) Offered: PhD
Department: Department of Pharmacology, Toxicology & Neuroscience
1501 Kings Hwy
Shreveport, LA 71103-4228

URL: https://www.lsuhs.edu/departments/school-of-graduate-studies/pharmacology-toxicology-and-neuroscience

Program Director: Dr. Yunfeng Zhao
Email: yunfeng.zhao@lsuhs.edu

Program Contact: Dr. Xiao-Hong Lu
Email: xiaohong.lu@lsuhs.edu
Phone: 318.675.4276

Graduate program focus and areas of expertise:
The goal of our graduate training program in Pharmacology, Toxicology, and Neuroscience is to provide the skills necessary for our graduates to pursue an independent career in biomedical research at a university, research institute, hospital, government agency, or in industry. The program provides graduate training through advanced courses, participation in seminars and national meetings, and the preparation of grant proposals. Hands-on laboratory research is emphasized at all stages of the program.

Summer research Internship program? Yes
Intern Program: Summer Undergraduate Pharmacology Experience in Research (SUPER)
Intern Program URL: https://www.lsuhs.edu/departments/school-of-graduate-studies/pharmacology-toxicology-and-neuroscience/research/super
Description: The Department of Pharmacology, Toxicology and Neuroscience offers an eight-week summer research program for domestic undergraduate students who are interested in pursuing a career in pharmacology. Students participate in laboratory research experiments and attend weekly lectures on topics that will help prepare them for success in research-intensive doctoral programs. The SUPER Program is funded by the ASPET/SURF, Society of Toxicology, LSU Health Shreveport Foundation and the Department of Pharmacology, Toxicology, and Neuroscience.
Toxicology-Related Academic Programs

Michigan State University
M.S. Programs in Pharmacology and Toxicology

Degree(s) Offered: 1) M.S. in Pharmacology and Toxicology, 2) M.S. in Integrative Pharmacology and 3) Graduate certificate in Safety Pharmacology

Department: Pharmacology and Toxicology
1355 Bogue Street
B440 Life Sciences Building
East Lansing, MI 48824

URL: https://phmtox.msu.edu/education/ms-phmtox/

Program Director: Dr. Isola Brown
Email: browniso@msu.edu
Phone: 517-884-2036

Graduate program focus and areas of expertise:
The Online Programs in Pharmacology offers three degrees: the M.S. in Pharmacology and Toxicology, the M.S. in Integrative Pharmacology and the Graduate certificate in Safety Pharmacology. Our programs are ideal for recent baccalaureate graduates seeking to enhance competitiveness for professional school admission or improve employment qualifications. Our flexible and asynchronous curriculum is taught by subject matter experts.

Summer research Internship program? No
Toxicology-Related Academic Programs

National Institute of Environmental Health Sciences (NIEHS/NIH)  
Division of Extramural Research and Training (DERT)  
Degree(s) Offered:  
Department: 111 TW Alexander Drive PO Box 12233 MD-K3-15  
Research Triangle Park, NC 27709  

URL: https://www.niehs.nih.gov/careers/research/trainingfrom/index.cfm  

Program Director: Dr. Michael Humble, Dr. Carol Shreffler  
Email: humble@niehs.nih.gov, Shreffi1@niehs.nih.gov  
Phone: 984.287.3272  

Graduate program focus and areas of expertise:  
The NIEHS supports pre- and post-doctoral training in the environmental health sciences at universities across the country.  

Summer research Internship program? Yes  
Intern Program: NIH Summer Research Experience Programs  
Intern Program URL:  
Description: The NIEHS awards NIH R25 Summer Research Experience Program grants to eligible universities and institutions of higher education to provide research experiences in the environmental health sciences for high school students, undergraduate college students, and science teachers during the summer academic break.
Toxicology-Related Academic Programs

North Carolina State University
Toxicology
Degree(s) Offered: MS, PhD
Department: Biological Sciences
1104 Toxicology Building
850 Main Campus Drive
Raleigh, NC 27606

URL: https://tox.sciences.ncsu.edu/

Program Director: Dr. Seth Kullman
Email: swkullma@ncsu.edu
Phone: 919.515.4378

Graduate program focus and areas of expertise:
The NC State Toxicology Program draws on a interdisciplinary group of faculty from Biological Sciences, Comparative Biomedical Sciences, Statistics, Chemistry, Physics, Environmental Engineering, Entomology, and Plant Pathology to provide outstanding research and training in Toxicology and Environmental Health Sciences for MS and PhD students.

Summer research Internship program? No
Toxicology-Related Academic Programs

Ohio State University
Environmental Science Graduate Program

Degree(s) Offered: MS, PhD
Department: Division of Environmental Health Sciences
408 Cunz Hall
1841 Neil Ave
Columbus, OH 43210

URL: https://esgp.osu.edu

Program Director: Dr. Nicholas Basta
Email: enviro@osu.edu
Phone: 614.292.9762

Program Contact: Dr. Darryl B. Hood
Email: hood.188@osu.edu
Phone: 615.516.4921

Graduate program focus and areas of expertise:
The goal of the Environmental Science Graduate Program (ESGP) is the pursuit and dissemination of knowledge in the interdisciplinary fields of environmental science. Specifically, our academic program provides an interdisciplinary curriculum across physical sciences, engineering, biological sciences including pharmacology and toxicology, and the social sciences with disciplinary depth in established specializations or self-designed by the graduate student’s committee. The interdisciplinary curriculum to ESGP is unique and designed to avoid overlap with established graduate program curricula at Ohio State. ESGP is designed to provide novel interdisciplinary graduate education and research by bringing together disciplines and experts from across the university.

Summer research Internship program? Yes
Intern Program: Summer Research Opportunities (SROP)
Intern Program URL: https://gradsch.osu.edu/summer-research-opportunities-program
Description: The Summer Research Opportunities Program (SROP) is a gateway to graduate education at Big Ten Academic Alliance universities. The goal of the program is to increase the number of under-represented students who pursue graduate study and research careers. SROP helps prepare undergraduates for graduate study through intensive research experiences with faculty mentors and enrichment activities.
Toxicology-Related Academic Programs

Oregon State University
Environmental and Molecular Toxicology
Degree(s) Offered: MS, PhD, PSM
Department: Environmental and Molecular Toxicology
1007 Agriculture & Life Sciences Building
2750 SW Campus Way
Corvallis, OR 97331

URL: https://emt.oregonstate.edu/

Program Director: Dr. Susan Tilton
Email: susan.tilton@oregonstate.edu
Phone: 541.737.1740

Program Contact: Mary Mucia
Email: mary.mucia@oregonstate.edu
Phone: 541.737.9079

Graduate program focus and areas of expertise:
Our integrated curriculum, combining both the biological and physical sciences, offers training and research opportunities in the fields of Molecular and Computational Toxicology, Environmental Chemistry, Ecotoxicology and Risk Assessment in support of our state-of-the-art and internationally competitive research, outreach and education missions. Required core courses, advanced training in a specialized area, and interdisciplinary and team-based experiential learning and professional development opportunities together strengthen the student's training in the basic sciences and ensure a thorough knowledge of the applied science of toxicology. The EMT Department is committed to promoting and sustaining a collaborative, inclusive, and caring community that strives for equity and equal opportunity for all faculty, staff, and students. We recognize that diversity and excellence go hand-in-hand, enhancing our teaching, scholarship, and outreach missions.

Summer research Internship program? No
Toxicology-Related Academic Programs

Purdue University
Toxicology Graduate Program
Degree(s) Offered: PhD.; MS (thesis); MS (non-thesis)
Department: School of Health Sciences
550 Stadium Mall Dr.
West Lafayette, IN 47907

URL: https://hhs.purdue.edu/graduate-programs/toxicology-graduate-program/

Program Director: Dr. Jason Cannon
Email: cannonjr@purdue.edu
Phone: 765.494.0794

Summer research Internship program? Yes
Intern Program: Summer Research Opportunities Program
Intern Program URL: https://www.purdue.edu/gradschool/diversity/programs/summer-research-opportunities-program/
Description: The Summer Research Opportunities Program (SROP) is a pathway to graduate education at Purdue University. This program is designed to provide equal access and opportunities to underrepresented and diverse students by preparing students for Graduate School by offering eight-weeks intensive research experiences, and graduate school resources that contributes to student’s professional and academic growth.

Programs listed responded to a request for information March 2023.
Toxicology-Related Academic Programs

Rutgers, The State University of New Jersey
Joint Graduate Program in Toxicology

Degree(s) Offered: MS and PhD
Department: Pharmacology and Toxicology
170 Frelinghuysen Rd
Piscataway, NJ 08854

URL: https://jgpt.rutgers.edu

Program Director: Dr. Lauren Aleksunes
Email: aleksunes@eohsi.rutgers.edu
Phone: 848.445.5518

Graduate program focus and areas of expertise:
The Joint Graduate Program in Toxicology (JGPT) is an interdepartmental program designed to train students and postdoctoral fellows in the discipline of toxicology with a particular focus on mechanistic and translational toxicology.

Summer research Internship program? Yes
Intern Program: Summer Undergraduate Research Fellowship (SURF) Program
Intern Program URL: https://surf.rutgers.edu

Description: The Summer Undergraduate Research Fellowship (SURF) Program is an NIH-funded REU intended for highly motivated undergraduates interested in a research career in the pharmaceutical and environmental sciences. Students are provided with an opportunity to conduct full-time research in areas related to Pharmacology and Toxicology, Environmental Health Sciences, Pharmaceutics, Medicinal Chemistry, Chemical Biology, and Clinical Pharmacy.

Programs listed responded to a request for information March 2023.
Toxicology-Related Academic Programs

San Diego State University
Environmental Health
Degree(s) Offered: MS, MPH; PhD in Global Health or Epidemiology
Department: School of Public Health
5500 Campanile Dr.
Hardy Tower 119
San Diego, CA 92182

URL: https://publichealth.sdsu.edu/

Program Director: Dr. Karilyn Sant
Email: ksant@sdsu.edu
Phone: 619.594.8940

Graduate program focus and areas of expertise:
Our program places a strong emphasis in environmental chemistry and toxicology. Specifically, we have research spanning toxicological subjects such as maternal and child health, developmental toxicology, ecotoxicology, biomonitoring, and more.

Summer research Internship program? Yes
Intern Program: Summer Undergraduate Research Program
Intern Program URL: https://research.sdsu.edu/undergrad/surp
Description: SDSU's Summer Undergraduate Research Program (SURP) supports student participation in undergraduate research, scholarship, creative, and performance activities through high impact practices.
Toxicology-Related Academic Programs

St. John's University
Toxicology Program
Degree(s) Offered: BS, MS, PhD
Department: Pharmaceutical Sciences
8000 Utopia Parkway
Jamaica, NY 11439

URL: https://www.stjohns.edu/academics/programs/toxicology-master-science

Program Director: Dr. Sue M. Ford
Email: fords@stjohns.edu
Phone: 718.990.6220

Graduate program focus and areas of expertise:
St. John’s University offers graduate programs leading to a MS in Toxicology and the PhD in Pharmaceutical Sciences with a Toxicology specialization. The program prepares students for careers in research, academia, regulatory agencies, and industry. Coursework covers a broad range of disciplines including mechanistic toxicology, environmental toxicology, analytical toxicology, regulatory toxicology and product safety assessment. Faculty have active research programs in organ system toxicology, analytical toxicology, environmental toxicology, molecular toxicology, pesticides, and pharmaceuticals.

Summer research Internship program? No
Toxicology-Related Academic Programs

Texas Tech University
Department of Environmental Toxicology
Degree(s) Offered: MS & PhD
Department: Department of Environmental Toxicology
1207 S Gilbert Drive
Bldg. 555
Lubbock, TX 79416

URL: https://www.entx.ttu.edu/index.html

Program Director: Dr. Samantha Luna
Email: samantha.m.luna@ttu.edu
Phone: 806.834.2436

Graduate program focus and areas of expertise:
The Department of Environmental Toxicology (ENTX) provides faculty and graduate students opportunities for multidisciplinary research and scholarly engagement related to environmental, forensic, and human health sciences. The Environmental Toxicology faculty attract graduate students at both the master’s and doctoral level, with their backgrounds in biological sciences, medicine, epidemiology, biostatistics, engineering, chemistry, computer science, law, mathematics, pharmacology, physiology, and wildlife biology. The Forensic Science faculty are committed to the production and dissemination of interdisciplinary forensic science research through a unique multidisciplinary program that provides outstanding education, research, and professional training opportunities for undergraduate and graduate students at TTU and for local and regional law enforcement. Our department offers a Ph.D. in Environmental Toxicology, M.S. in Environmental Toxicology, M.S. in Forensics Science, and two undergraduate minors (Environmental Toxicology and Forensic Sciences).

Summer research Internship program? No
Toxicology-Related Academic Programs

The University of New Mexico
The Biomedical Sciences Graduate Program
Degree(s) Offered: PhD, MS

URL: https://hsc.unm.edu/medicine/education/reo/graduate/bsgp/

Program Director: Dr. Nancy Kanagy
Email: Nkanagy@salud.unm.edu

Program Contact: Dr. Alicia Bolt
Email: ambolt@salud.unm.edu
Phone: 505.304.6441

Graduate program focus and areas of expertise:
The BSGP includes both MS and PhD degrees and offers an exciting opportunity to gain a broad understanding of the biomedical sciences in a spectacular southwestern setting of unsurpassed beauty, rich cultural heritage, and geographic diversity. Has a concentration focused on Pharmacology and Toxicology Research.

Summer research Internship program? Yes
Intern Program: The Undergraduate Pipeline Network (UPN)
Intern Program URL: https://hsc.unm.edu/medicine/education/reo/undergraduate/upn/
Description: The Undergraduate Pipeline Network summer research experience seeks to cultivate students' interest in research while helping them attain skills needed to apply for and succeed in post-baccalaureate education. The program provides the opportunity for students to choose from several areas of research at the University of New Mexico's Health Sciences Center. The program period covers 10 weeks in the summer and scholars participate in the program a minimum of 40 hours per week.
Toxicology-Related Academic Programs

The University of Texas at Austin
Pharmaceutical Sciences program - Track in Pharmacology and Toxicology

Degree(s) Offered: PhD
Department: College of Pharmacy
2409 University Avenue
PHR 4.220
Austin, TX 78712

URL: https://pharmacy.utexas.edu/programs/ms-phd

Program Director: Dr. John H Richburg
Email: john.richburg@austin.utexas.edu
Phone: 512.471.4736

Program Contact: Katie Traughber
Email: katie.traughber@austin.utexas.edu
Phone: 512.471.6590

Graduate program focus and areas of expertise:
he University of Texas Pharmacology and Toxicology/Pharmaceutical Sciences PhD program is among the top in the country, with 16 faculty and 29 graduate students. With an emphasis in environmental and molecular mechanisms of health and disease, we aim to identify the mechanisms involved in disease etiology to apply this knowledge to develop improved strategies to prevent and/or treat human disorders. Our focus is on neurological and developmental disorders, addiction, and cancer. Our outstanding faculty have won multiple prestigious awards for their research in the areas of DNA damage and repair, cancer etiology and prevention, addiction and neurotoxicity, neuroimmunology, and neuroendocrinology, and generate ~$8,000,000 per year in grant funding to support research. Our students receive a competitive stipend with paid tuition and health insurance, and they customize their coursework according to their research interests.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of Arizona
Pharmacology and Toxicology
Degree(s) Offered: PhD, MS
Department: Pharmacology and Toxicology
1703 E Mabel St
Tucson, AZ 85721

URL: https://www.pharmacy.arizona.edu/academics/graduate-programs/phd

Program Director: Dr. Georg Wondrak
Email: wondrak@pharmacy.arizona.edu

Program Contact: JJ Arevalo
Email: jjarevalo@pharmacy.arizona.edu
Phone: 520.626.7265

Graduate program focus and areas of expertise:
The goal of the program is to train students in state-of-the-art approaches in basic research in pharmacology, toxicology, environmental toxicology, chemical pharmacology, proteomics and closely related sub-disciplines. The programs prepare students for careers in independent research or related careers in academia, industry or government.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of California, Davis
Pharmacology and Toxicology Graduate Group
Degree(s) Offered: MS, PhD
Department: Environmental Toxicology
One Shields Ave
Davis, CA 95616

URL: https://ptx.ucdavis.edu/

Program Director: Dr. Laura Van Winkle
Email: Isvanwinkle@ucdavis.edu
Phone: 530.754.7547

Program Contact: Christee Rubio
Email: clrubio@ucdavis.edu
Phone: 530.752.4516

Graduate program focus and areas of expertise:
This is a graduate group which draws over 90 well-funded faculty from across medical schools and colleges on the UC Davis campus. Areas of focus include neurotoxicology and neuropharmacology, cardiopulmonary pharmacology and toxicology, cancer biology and therapeutics, environmental toxicology, drug and toxin metabolism and pharmacokinetics.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of California, Davis
Toxicology Mentoring and Skills Development Training Program (ToxMSDT)

Degree(s) Offered:
Department: Molecular Biosciences
School of Veterinary Medicine
1089 Veterinary Medicine Dr
Davis, CA 95616

URL: https://toxmsdt.vetmed.ucdavis.edu/

Program Director: Dr. Wilson K Rumbeiha
Email: wkrumbeiha@ucdavis.edu
Phone: 517.944.2022

Graduate program focus and areas of expertise:
This is a national mentoring and skills training program targeting underrepresented undergraduate students to build a pathway into the toxicology profession.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of California, Irvine
Environmental Health Sciences

Degree(s) Offered: MS, PhD
Department: Environmental and Occupational Health
Irvine, CA 92697

URL: https://publichealth.uci.edu/degrees-programs/doctoral-programs/phd-environmental-health-sciences/

Program Director: Dr. Jun Wu
Email: junwu@hs.uci.edu
Phone: 949.824.0548

Graduate program focus and areas of expertise:
Our graduate programs in Environmental Health Sciences provide students with the knowledge and skills necessary and appropriate to teach and/or conduct basic and applied research programs in inhalation/pulmonary toxicology, biochemical neurotoxicology, reproductive and developmental toxicology, chemical pathology, toxicokinetics, radiation toxicology, molecular carcinogenesis, exposure assessment, risk assessment, environmental epidemiology, environmental justice, and community-based participatory research.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of California, Los Angeles
Interdepartmental Program in Molecular Toxicology

Degree(s) Offered: PhD
Department: Environmental Health Sciences
               CHS
               Los Angeles, CA 90095

URL: http://moltox.ph.ucla.edu/

Program Director: Dr. Oliver Hankinson
Email: ohank@mednet.ucla.edu
Phone: 310.508.5984

Program Contact: Courtney McClure and Marisol Arellano
Email: cmcclure2022@g.ucla.edu, m.arellanomadero@gmail.com

Graduate program focus and areas of expertise:
We study the roles of environmental and man-made toxic chemicals and radiation on
development of human diseases, although we use a multitude of model organisms in our studies.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of Georgia
Interdisciplinary Toxicology Program
Degree(s) Offered: MS and PhD
Department:
501 D.W. Brooks Dr. Rm, 2120, College of Veterinary Medicine
College of Veterinary Medicine
Athens, GA 30602

URL: https://toxicology.uga.edu/

Program Director: Dr. Nickolay Filipov
Email: filipov@uga.edu
Phone: 706.583.0058

Program Contact: Wanda Darden
Email: wdarden@uga.edu
Phone: 706.583.0058

Graduate program focus and areas of expertise:
Without departmental boundaries, the Interdisciplinary Toxicology Program Provides a dynamic and entrepreneurial environment for responding to the complex issues of the present and the future. The Toxicology Program is committed to high-quality graduate education and excellence in research. Both faculty and graduate students are internationally and nationally recognized for their research expertise. We currently have 23 students in the program earning their Ph.D. Our students come from 7 different countries.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of Illinois Urbana-Champaign
Interdisciplinary Training Program in Environmental Health and Toxicology
Degree(s) Offered: PhD
Department:
  Comparative Biosciences, UIUC
  2001 S. Lincoln Ave.
  Urbana, IL 61801

URL: https://vetmed.illinois.edu/toxtrainingprogram/

Program Director: Dr. Jodi Flaws
Email: jflaws@illinois.edu
Phone: 121.733.3793

Graduate program focus and areas of expertise:
The Program, established in 2000, educates pre-and postdoctoral trainees in reproductive/endocrine toxicology, neurotoxicology, nutritional toxicology, and nanotoxicology.

Summer research Internship program? Yes
Intern Program: Summer Undergraduate Research Experience in Toxicology
Intern Program URL: https://vetmed.illinois.edu/suretox/
Description: The proposed Summer Undergraduate Research Program in Toxicology (SURE Tox) will provide undergraduate students who are underrepresented minorities with high quality research experiences during the summer academic break. Students will receive extensive research training in the field of environmental health/toxicology, participate in a number of workshops on research ethics, use of animals in research, academic and industry careers in toxicology, how to apply to graduate school, and how to write and present scientific papers.
Toxicology-Related Academic Programs

University of Kansas Medical Center
Pharmacology and Toxicology Graduate Program
Degree(s) Offered: PhD
Department: Department of Pharmacology, Toxicology and Therapeutics
            3901 Rainbow Blvd
            MS1018
            Kansas City, KS 66160

URL: https://www.kumc.edu/school-of-medicine/academics/departments/pharmacology-
      toxicology-and-therapeutics.html

Program Director: Dr. Bruno Hagenbuch
Email: bhagenbuch@kumc.edu

Program Contact: Dr. Udayan Apte
Email: uapte@kumc.edu
Phone: 412.897.6914

Graduate program focus and areas of expertise:
The focus of our graduate program is on mechanistic toxicology with emphasis on liver
diseases, drug-induced liver injury, non-alcoholic fatty liver disease and alcoholic liver disease.

Summer research Internship program? Yes
Intern Program: KUMC SURF Program
Intern Program URL: https://www.kumc.edu/school-of-
      medicine/academics/departments/pharmacology-toxicology-and-
      therapeutics/academics/summer-program.html
Description: We have a long standing Summer Undergraduate Research Fellowship (SURF) program partial funded by SOT. This is a 10 week, full time research program with a $3000 student stipend. The focus is to introduce undergraduate students to mechanistic toxicology research with hand-on training and lectures. The program ends with a SURF symposium where students present their research work accomplished within the 10 weeks.
Toxicology-Related Academic Programs

University of Kentucky
Integrated Biomedical Sciences Program
Degree(s) Offered: PhD
Department: Pharmacology and Nutritional Sciences
780 Rose Street
Lexington, KY 40536

URL: https://medicine.uky.edu/sites/graduate/phd-program

Program Director: Dr. Hollie Swanson
Email: hollie.swanson@uky.edu
Phone: 859.323.1463

Graduate program focus and areas of expertise:
The Integrated Biomedical Sciences (IBS) is an undifferentiated, first-year, core curriculum that serves as the entry point for six doctoral programs housed in the University of Kentucky College of Medicine. IBS provides exposure to cellular and molecular concepts in the biomedical sciences, development of interdisciplinary approaches necessary for innovative research, and flexibility in choosing a research emphasis among 186 faculty members in six departments. As part of IBS, students complete coursework, engage in biomedical research through laboratory rotations that facilitate selection of a dissertation mentor, and participate in research seminars.

Summer research Internship program? Yes
Intern Program: Summer Undergraduate Research in Environmental Health Sciences (SUREs)
Intern Program URL: https://medicine.uky.edu/departments/pharmns/summer-training
Description: A multidisciplinary research-training program for undergraduates after their sophomore year. This program is specifically for students who are interested in careers in environmental health sciences. During this 10-week program, students will engage in independent research projects and engage in career-building activities.

Programs listed responded to a request for information March 2023.
Toxicology-Related Academic Programs

University of Louisville
Pharmacology and Toxicology Graduate Program
Degree(s) Offered: Msc and PhD
Department: Pharmacology and Toxicology
505 S. Hancock Street
Louisville, KY 40202

URL: https://louisville.edu/medicine/departments/pharmacology/programs

Program Director: Dr. David Hein
Email: david.hein@louisville.edu
Phone: 502.852.6252

Graduate program focus and areas of expertise:
We offer a degree in both Pharmacology and Toxicology, and only a dozen of graduate programs in the US do this. Our faculty and research projects are very diverse. In the first two years, student take major courses in Pharmacology and Toxicology, as well as in Biochemistry, Cell Biology, Statistics, Scientific writing etc. The student is offered rotations in various laboratories of their interest to choose from for their Ph.D. project. We have the NIEHS T32 grant, which provides funding for student's research. We also have a cancer R25 Education program that provides career development and enhancement opportunities that can prepare students to attend our graduate program. The labs are well-equipped to allow top-notch research from bench to bedside.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of Mary Hardin-Baylor
Public Health
Degree(s) Offered: MPH, BSPH
Department: School of Exercise and Sport Science
900 College St
Box 8010
Belton, TX 76513-2578

URL: https://www.umhb.edu/graduate/public-health/home

Program Director: Dr. Ariane Secrest
Email: asecrest@umhb.edu
Phone: 254.295.4975

Program Contact: Dr. Kristal Rychlik
Email: krychlik@umhb.edu
Phone: 254.295.4278

Graduate program focus and areas of expertise:
At UMHB, the MPH is tailored to train public health professionals to plan, implement, and evaluate effective health promotion programs. The MPH with a Health Promotion concentration is a 42-credit hour master’s level degree plan that also allows students to gain real world experience with an internship at an extramural agency or organization. Upon program completion, students will be able to take the Certified Health Education Specialist (CHES®) exam and the Certified in Public Health (CPH) exam.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of Massachusetts Amherst
Environmental Health Sciences
Degree(s) Offered: PhD, MS, MPH
Department: Environmental Health Sciences
686 N. Pleasant St.
Amherst, MA 01003

URL: https://www.umass.edu/public-health-sciences/academics/departments/environmental-health-sciences

Program Director: Dr. Alexander Suvorov
Email: asuvorov@schoolph.umass.edu
Phone: 413.545.3487

Graduate program focus and areas of expertise:
Expertise in toxicology and air pollution

Summer research Internship program? No
Toxicology-Related Academic Programs

University of Michigan
Environmental Health Sciences/Toxicology
Degree(s) Offered: MPH, MS, PHD
Department: Environmental Health Sciences
6611D SPH1
1415 Washington Heights
Ann Arbor, MI 48103

URL: https://sph.umich.edu/ehs/

Program Director: Dr. Justin Colacino
Email: colacino@umich.edu
Phone: 734.546.7250

Graduate program focus and areas of expertise:
The Environmental Health Sciences and Toxicology training programs at the University of Michigan provide rigorous interdisciplinary training leading to Master of Public Health, Master of Science, and Doctor of Philosophy degrees. As one of the oldest Toxicology programs in the country, we have a well established alumni network, with members in government, academia, and industry positions around the world. Students in our program have the opportunity to gain didactic training in a broad range of fields, including mechanistic toxicology, exposure assessment, environmental epidemiology, occupational health, environmental justice, community engaged research, and bioinformatics. Students are supported through two National Institutes of Health training grant programs. Faculty, students, and staff are conducting state of the art research in a broad range of areas, including cancer, neurological outcomes, reproductive health, women’s health, cardiovascular disease, epigenetics, and respiratory toxicology.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of Montana
Toxicology
Degree(s) Offered: PhD
Department: Dept of Biomedical Sciences/Center for Environmental Health Sciences
280 Skaggs Building
32 Campus Drive
Missoula, MT 59812

URL: https://cehsweb.health.umt.edu/education/graduate

Program Director: Dr. Andrij Holian
Email: andrij.holian@umontana.edu
Phone: 406.243.4018

Graduate program focus and areas of expertise:
The faculty of the CEHS within the Department of Biomedical and Pharmaceutical Sciences and the Department of Chemistry offer training in molecular and cellular toxicology for the Ph.D. and M.S. degrees. Funding has been provided by the following mechanisms: COBRE, teaching and research assistantships, and individual fellowships.

Summer research Internship program? Yes
Intern Program: Summer Undergraduate Research Program (SURP)
Intern Program URL: https://cehsweb.health.umt.edu/education/summer-programs
Description: The Center for Environmental Health Sciences sponsors a summer educational research experience for outstanding college undergraduates. The Summer Undergraduate Research Program (SURP) is part of a national program to attract and train undergraduates to research careers in the environmental health sciences. The program is funded though a grant obtained from the National Institute of Environmental Health Sciences (R25ES016247 and 2R25ES022866) and the Society of Toxicology.

Programs listed responded to a request for information March 2023.
Toxicology-Related Academic Programs

University of North Carolina at Chapel Hill
Curriculum in Toxicology and Environmental Medicine
Degree(s) Offered: PhD
Department:
    104 Mason Farm Rd
    Chapel Hill, NC 27599

URL: https://www.med.unc.edu/toxicology/

Program Director: Dr. Ilona Jaspers
Email: ilona_jaspers@med.unc.edu
Phone: 919.966.8657

Program Contact: Dr. Meghan Rebuli
Email: meradfor@email.unc.edu

Graduate program focus and areas of expertise:
Using in silico, in vitro, in vivo, as well as human translational research approaches the goal of our trainees’ research is to elucidate the pathogenesis of exposure to toxic agents.

Summer research Internship program? Yes
Intern Program: 21st Century Environmental Health Scholars
Intern Program URL: https://ie.unc.edu/cpes/21eh-scholars/
Description: A year-round program that provides environmental health science research internships for undergraduate students at North Carolina Central University (NCCU) and UNC-Chapel Hill.
Toxicology-Related Academic Programs

University of Rochester
Toxicology Training Program
Degree(s) Offered: PhD
Department: Environmental Medicine
601 Elmwood Ave., Box EHSC
Rochester, NY 14642

URL: https://www.urmc.rochester.edu/education/graduate/phd/toxicology.aspx

Program Director: Dr. Alison Elder, Dr. Matthew Rand
Email: alison_elder@urmc.rochester.edu; matthew_rand@urmc.rochester.edu
Phone: 585.275.2324; 585.276.6648

Graduate program focus and areas of expertise:
The Rochester Toxicology Program provides state-of-the-art graduate and postdoctoral training in the environmental health sciences and toxicology. Our mission is to educate and train the next generation of talented, independent toxicologists and environmental health scientists who are able to conduct innovative research and transform their research findings into information, resources, and tools that will be used by public health and medical professionals, as well as the public, to improve overall human health and well-being.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of Saskatchewan
Toxicology
Degree(s) Offered: BSc, BSc (Honours), MSc and PhD Toxicology
Department:
   44 Campus Drive
   Saskatoon, Saskatchewan S7N 5B3

URL: https://toxicology.usask.ca

Program Director: Dr. Markus Brinkmann
Email: markus.brinkmann@usask.ca
Phone: 306.966.1204

Program Contact: Dr. Natacha Hogan
Email: natacha.hogan@usask.ca
Phone: 306.966.6862

Graduate program focus and areas of expertise:
The Interdisciplinary Graduate Program in Toxicology at the University of Saskatchewan (USask) offers Ph.D. and M.Sc. degrees with specialisation across a wide range of toxicological expertise, including aquatic toxicology, biomedical toxicology, ecotoxicology, analytical toxicology, mechanistic toxicology and risk assessment/regulatory toxicology. Many of our faculty conduct research on environmental impacts that affect indigenous communities and regularly communicate and work with these communities on important environmental issues. The Toxicology Graduate Program is committed to equity, diversity and inclusion (EDI) in teaching and research to ensure opportunities and representation of all voices and sources of knowledge.

Summer research Internship program? No
Toxicology-Related Academic Programs

University of Washington
Environmental Toxicology
Degree(s) Offered: PhD, MS, MS Applied
Department: Department of Environmental and Occupational Health Sciences
4225 Roosevelt Way NE
Suite 100
Seattle, WA 98105

Program Director: Dr. Elaine Faustman
Email: faustman@uw.edu

Program Contact: Dr. Julia Yue Cui
Email: juliacui@uw.edu

Graduate program focus and areas of expertise:
Why study environmental toxicology? Environmental toxicologists study how chemicals affect human health and the environment, applying principles of biology, chemistry and epidemiology. Toxicologists predict where chemicals will end up in the environment and in our bodies, analyze the toxic impact of chemicals and monitor exposure limits to keep us and our environment healthy. As a student in Environmental Toxicology, you will: Choose to earn your MS, MS Applied or PhD degree. Take common core courses introducing foundational concepts and skills, including: risk assessment, management and communication; assessment and management of exposures to environmental hazards; core principles of toxicology; and how to use a One Health approach to address complex challenges. Learn how a wide range of toxicants (such as pesticides, metals, solvents, air pollutants, persistent organic pollutants and radiation) affect human health and gain skills in identifying, characterizing and controlling environmental hazards. Complete a culminating experience (thesis, project or dissertation) showcasing your ability to integrate the skills you have learned to address an environmental or occupational health problem.

Summer research Internship program? No
Toxicology-Related Academic Programs

US EPA
Office of Research and Development
Degree(s) Offered: N/A
Department:
109 TW Alexander Dr.
Durham, NC 27711

URL: https://www.epa.gov/careers

Graduate program focus and areas of expertise:
The mission of EPA is to protect human health and the environment. From tackling the climate crisis to advancing environmental justice, what happens here changes the world. At EPA, you can be a changemaker. Join us to Be EPA.

Summer research Internship program? No
Toxicology-Related Academic Programs

US Food and Drug Administration
Student Volunteer Service Program
Degree(s) Offered: Research Internship
Department:
  White Oak Campus
  10903 New Hampshire Ave
  Silver Spring, MD 20993


Program Director: Dr. La’Nissa A. Brown-Baker
Email: lanissa.brown-baker@fda.hhs.gov
Phone: 240.402.8265

Program Contact: Dr. Frederic Moulin
Email: frederic.moulin@fda.hhs.gov
Phone: Cell: 215.808.9099 Office: 240.402.2764

Graduate program focus and areas of expertise:
Whether you’re an undergraduate looking to pursue a career in science, a graduate science student seeking experience in regulatory science, a postgraduate looking for fellowship opportunities, or a senior scientist pursuing research in your field of expertise, FDA offers you many paths to learning about the exciting field of regulatory science.

Summer research Internship program? Yes
Intern Program: Summer Student Research Program (NCTR)
Intern Program URL: https://www.fda.gov/about-fda/scientific-internships-fellowships-trainees-and-non-us-citizens/summer-student-research-program-nctr
Description: Summer research opportunities for undergraduate and graduate students are available in Arkansas at the National Center for Toxicological Research. NCTR’s Summer Student Research Program is administered by the Oak Ridge Institute for Science and Education (ORISE) and is designed for science and mathematics students preparing for future careers in toxicology, regulatory science, or related scientific disciplines. This 10-week summer program provides hands-on research and laboratory experience mentored by FDA scientists. Stipends are determined by the level of education.
Toxicology-Related Academic Programs

Vanderbilt University
Environmental Toxicology Training Program
Degree(s) Offered: 
Department: 
Nashville, TN 37232

Program Director: Dr. Fred Guengerich
Email: f.guengerich@vanderbilt.edu

Program Contact: Dr. Fiona Harrison
Email: fiona.harrison@vUMC.org
Phone: 615.875.5547

Graduate program focus and areas of expertise:
This is a T32 training program for pre-doctoral trainees. We have faculty from across the University and Medical Center with a range of specialties. The taught component of the course covers a broad range of the major principles of toxicology. Monthly seminars include data presentation and career development.

Summer research Internship program? No

Programs listed responded to a request for information March 2023.
Toxicology-Related Academic Programs

Wayne State University
Molecular and Environmental Toxicology
Degree(s) Offered: PhD, MS, certificates
Department: Pharmacology
6374 Scott Hall
540 E Canfield
Detroit, MI 48201

URL: https://pharmacology.med.wayne.edu/

Program Director: Dr. Michael Petriello
Email: Michael.Petriello@wayne.edu
Phone: 313.577.1089

Graduate program focus and areas of expertise:
The mission of the Toxicology concentration is to provide comprehensive cross-disciplinary Ph.D. doctoral training in environmental health science and modern-era molecular and cellular toxicology. To achieve this goal, the MET concentration offers interdisciplinary research opportunities and access to mentors who are dedicated to probing the complex effects of exposure to environmental stressors.

Summer research Internship program? No