

# University of Georgia College of Public Health

## Doctor of Philosophy Requirements — Toxicology/Environmental Health Science

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The Ph.D. in Toxicology/EHS requires a minimum of 36 hours of coursework (at least 16 hours must be in 8000- or 9000-level courses open only to graduate students), related doctoral-level research, completion and successful defense of a dissertation approved by the student's advisory committee. The curriculum comprises the following areas and courses:

### PhD Toxicology/EHS Core Requirement Courses (22-24 hours):

- EHSC 6010 Proseminar in Environmental Health Science
- PHRM 6910 Introductory Toxicology
- EHSC 8930 Chemical Toxicology
- EHSC 8150 Environmental Health Seminar
- PBHL 8200 Public Health Seminar (must take 2 semesters)
- Graduate-level biochemistry: *Choose one 2-course sequence from the following:*
  - BCMB 6010 & 6020 Biochemistry and Molecular Biology
  - BCMB 8010 & 8020 Advanced Biochemistry and Molecular Biology
- Graduate-level epidemiology: *Choose one course from the following:*
  - EPID 7010 Introduction to Epidemiology
  - EPID 8070 Environmental and Occupational Epidemiology
  - EPID 8200 Molecular Epidemiology
- Advanced statistical methods: *Choose one course from the following:*
  - BIOS 8100 Case Studies in Nonlinear Biostatistics
  - BIOS 8110 Categorical Data Analysis
  - STAT 8040 Environmental Statistics
  - STAT 8200 Design of Experiments for Research Workers

### Environmental Toxicology Specialization (14-15 hours):

- EHSC 8510 Environmental Risk Assessment and Communication
- EHSC 8610 Aquatic Toxicology

#### At least two of the following (6-8 hours):

- ECOL 8310 Population/Community Ecology
- ECOL 8580 Theory of Systems Ecology
- EHSC 8630 Quantitative Ecological Toxicology
- PHRM 8940 Organ Systems Toxicology

A student may substitute relevant courses approved by the student's advisory committee.

**Additional elective courses approved by the student's advisory committee.**

### Human and Animal Toxicology Specialization (14-16 hours):

- PHRM 8940 Organ Systems Toxicology
- EHSC 8510 Environmental Risk Assessment and Communication
- VPHY 6090 and 6100 Comparative Mammalian Physiology
- or
- PHRM 6400 and 6500 Human Physiology

**Additional elective courses approved by the student's advisory committee.**

### Doctoral Research and Dissertation Requirements (both specialization areas)

- EHSC 9000 Doctoral Research
- EHSC 9300 Doctoral Dissertation

