

- Genome Technologies EHSC 8450 3 hours
- Pharmacokinetics (PK) PHRM 8260 4 hours
- Contemporary Concepts in PK PHRM 8270 3 hours
- Mammalian Cell Physiology VPHY 8010 3 hours
- Comparative Mammalian Physiology VPHY 6090/10 6 hours

Mechanistic Toxicology:

Faculty in this emphasis area have research interests in understanding the details of how xenobiotics interact with mammalian and non-mammalian species at the level of DNA, proteins, signaling pathways, cells and or even organs. A large number of tools or research methods exist to study mechanisms of action of chemicals and pathogens on biological systems.

- Developmental & Reproductive Tox EHSC 8550 3 hours
- Organ Systems PHRM 8940 4 hours
- Occupational & Env Diseases EHSC 8400 3 hours
- Genome Technologies EHSC 8450 3 hours
- Cell Pathology VPAT 8020 4 hours
- Cancer Etiology and Prevention EHSC 8210 3 hours
- Mammalian Cell Physiology VPHY 8010 3 hours
- Comparative Mammalian Physiology VPHY 6090/10 6 hours
- Physiology VPHY 8100 3 hours

General Electives: 6+ hours

These elective courses should be chosen in conjunction with your faculty mentor and approved by the Advisory Committee of the student.

Research/Writing: 3 hours

Departmental Prefix 9300 Dissertation Writing 3 hours

Minimum hours required: **30 hours**

Doctoral Degrees. A doctoral program of study should consist of 16 or more hours of 8000- and 9000-level courses, exclusive of 9000 (research) or 9300 (dissertation writing) or be accompanied by a letter of justification as to the acquisition of fundamental knowledge, technique, or professional courses. All courses on the program of study must fall within a six-year time limit. The six-year limit begins with the semester the student was admitted into the program and registered for courses and ends with the last semester before the beginning of the sixth year. For the Doctor of Philosophy degree this program of study must carry a minimum of 30 hours of course work, three hours of which must be dissertation writing (9300). The doctoral program of study for a student who bypasses the master's degree must contain a minimum of 16 hours of 8000- or 9000-level courses and four additional hours of University of Georgia courses open only to graduate students. Courses not allowed on a program of study are directed study courses, 9005 (Graduate Seminar), GRSC 7770, GRSC 9270, and ELAN 7768/7769.