

ENVIRONMENTAL TOXICOLOGY (THESIS OPTION), MASTER OF SCIENCE

Admission Criteria

Graduation with a Bachelor of Science Degree in a related academic area.

Applicants must present an undergraduate grade point average of 2.75 overall or for the last sixty (60) hours.

Applicants are expected to present evidence of having completed the following courses with the indicated total semester credit hours (in parentheses):

Code	Title	Hours
	General Chemistry w/laboratory	8
	General Organic Chemistry w/laboratory	8
	Biology w/laboratory	8
	Physics	8
	Calculus	4
Total Hours		36

Degree Requirements Thesis Track

The requirements for the Master of Science in Environmental Toxicology are summarized below:

1. Satisfactory performance on the Qualifying Examination.
2. Completion of a total of twenty-four (24) semester credit hours of graduate level courses. A minimum of nine (9) of these credit hours must be in core courses. A total of fifteen (15) credit hours of electives must be taken. Six (6) credit hours are required for the research thesis.
3. Presentation of a thesis proposal to a committee composed of members of the environmental toxicology faculty and representatives of the Graduate School.
4. Completion and presentation (through an oral defense) of a thesis to a committee composed of members of the Environmental Toxicology faculty and representatives of the Graduate School.
5. Fulfillment of general requirements for graduation as outlined by the Graduate School (see the General Information Section of this bulletin).

Admission to Candidacy

Master's degree students will achieve candidacy after passing the qualifying examination, the English proficiency examination, and course work requirements.

Residency Requirement

Master's students will achieve residency after completing course requirements.

Thesis

Students pursuing the master's degree must write and defend a thesis based on research done on an approved problem in environmental toxicology. The defense of the thesis will be made before the student's thesis committee.

Core Courses (9 SCH)

Choose 9 credit hours from the following:

Code	Title	Hours
ES 701	Principles of Toxicology	3
ES 702	Environmental Toxicology I	3
ES 703	Environmental Science	3
ES 704	Aquatic Resources & Pollution	3
ES 705	Environmental Policy & MGMT	3
ES 707	Ground Water Contamination	3
ES 902	Environmental Toxicology II	3
ES 906	Environmental Geology	3
ES 908	Sample Analysis	3
ES 910	Reproductive Toxicology	3
ES 913	Adv Simulation Modeling	3
ES 929	Toxicology III	3
ES 931	Ethics	3

Electives (15 SCH)

Code	Title	Hours
ES 711	Air Pollution	3
ES 718	Special Topics Environ Tox	3
ES 720	GIS for Environmental Sciences	3
ES 730	Introduction to Remote Sensing Image Processing	3
ES 909	Sample Analysis Labortory	3
ES 912	Neurotoxicology	3
ES 914	Modeling Laboratory	3
ES 915	Adv Physical Chemistry	3
ES 916	Chemistry of Natural Products	3
ES 919	Special Topics	3
ES 920	Special Topics	3
ES 921	Sem in Envir Toxicology	2
ES 922	Sem in Envir Toxicology	2
ES 923	Sem in Envir Toxicology	2
ES 927	Biomedical Statistics	3
ES 930	Biochemistry	3
ES 933	Mutagenesis Carcinogenesis	3
ES 934	Molecular Basis of Gene Action	3
ES 935	Stat Aspects of Risk Assessmen	3
ES 936	Occ & Environ Epidemiology	3

THESIS (6 SCH)

Code	Title	Hours
ES 724	Research Problems	3-6