

Environmental Toxicology, M.S.

The M.S. program (36 hours) is composed of coursework emphasizing the principles of toxicology, the environmental fate of chemicals, statistical approaches to study design, data handling, and data analysis, and seminars in environmental toxicology. Supplemental coursework, research, and thesis hours are chosen by the student with the guidance of their committee, allowing for focus on the student's particular research emphasis. Students pursuing this degree must perform an original research project, prepare a written thesis, and defend the work in a public defense.

M.S. Core Courses

- ENTX 6100 – Graduate Seminar: Stats Lab (1)
- ENTX 6105 – Introductory Seminar in Environmental Toxicology (1)
- ENTX 6325 – Principles of Toxicology I (3)
- ENTX 6326 – Principles of Toxicology II (3)
- ENTX 6385 – Statistical Applications in Environmental Toxicology (3)
- ENTX 6445 – Chemical Sources and Fates in Environmental Systems (4)
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M.S. Seminars (4 hours)

- ENTX 6115 – Seminars (4)
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M.S. Broadening Courses (6 hours)

- ENTX 6300 – Advanced Topics in Environmental Toxicology (3)
- ENTX 6312 – Biological Threats in the Environment (3)
- ENTX 6314 – Chemical Warfare and Protective Countermeasures (3)
- ENTX 6327 – Molecular Toxicology (3)
- ENTX 6328 – Molecular Methods in the Toxicology Laboratory (3)
- ENTX 6351 – Analytical Toxicology Lecture (3)
- ENTX 6352 – Analytical Toxicology Laboratory (3)
- ENTX 6365 – Fundamentals of Aquatic Ecotoxicology (3)
- ENTX 6371 – Procedures and Techniques in Ecological Risk Assessment (3)
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M.S. Research (hours after core, seminars, and broadening to reach 36hrs)

- ENTX 7000 – Research (varies)

M.S. Thesis (6 hours)

- ENTX 6000 – Thesis (6)