Master of Science in Earth and Environmental Science (Environmental Professional)

About This Program

Master of Science in Earth and Environmental Science Environmental Science Professional program is for those interested in a career in environmental science. Instead of a thesis, students participate in a mentoring program, take a course in project economics, work as an intern or in a part time job in the environmental science profession, and course experiences involving business ethics, teamwork, a small research project, and communication. This is a non-thesis program.

Competencies

1. Upon graduation, students should be are able to demonstrate expertise in their chosen environmental science professional discipline area.
2. Upon graduation, students should be able to analyze scientific data in geoscience and environmental sciences.
3. Upon graduation, students should be able to communicate complex information from environmental science professional sub-disciplines using written reports, and oral presentations to specialists and non#specialists.

Admissions Criteria

For unconditional admission a student must meet the following requirements:

1. A BS in biology, chemistry, geoscience, mathematics, or engineering with the following courses or their equivalent: 1 semester of introductory physics for science majors, 2 semesters of introductory chemistry for science majors, Calculus I and II. Students with a bachelor's degree in other sciences will also be considered, subject to satisfactory completion of deficiency courses.
2. A minimum undergraduate GPA of 3.0 on a 4.0 scale, as calculated by the graduate admissions.
3. Graduate Record Examination (GRE) scores are used in conjunction with GPA's. For example a person with a GPA below 3.0 will need a GRE score better than average. Masters students who have succeeded in the Earth and Environmental Science s Program typically score higher than the 60th Percentile on the verbal and quantitative portion of the GRE.
4. For applicants whose native language is not English and have not completed a Bachelors degree at a US institution, they must meet~~English, a minimum score of 550 on~~ the following minimums: TOEFL iBT (minimum 81 overall, with sectional scores of at least 22 writing, 23 speaking, 20 reading, ~~Test of English as a Foreign Language (or an equivalent score on a computer-based test)~~ or 16 listening) or IELTS (minimum overall band of 6.5, with a speaking score ~~a score~~ of 7.0).
5. Favorable letters of recommendation from people familiar with the applicant's academic work.

Curriculum

Foundations		
EVSE 5454	STATISTICS FOR EARTH AND ENVIRONMENTAL SCIENTISTS	4
Select one of the following engineering courses		3
CE 5321	ENGINEERING FOR ENVIRONMENTAL SCIENTISTS	
IE 5304	ADVANCED ENGINEERING ECONOMY	
For science, select any 5000-level EVSE or GEOL course except 5000-level EVSE or GEOL research credits		3
For City and Regional Planning select any 5000-level PLAN course		3
Specialization		
EVSE 5120	ENVIRONMENTAL PROFESSIONAL MENTORING & BUSINESS ETHICS	1
EVSE 5199	SEMINAR IN ENVIRONMENTAL & EARTH SCIENCES	1
EVSE 5115	PROFESSIONAL EXPERIENCE	1
or EVSE 6197	RESEARCH IN ENVIRONMENTAL & EARTH SCIENCES	
Electives		
Select 11 hours from one of the following departments: Biology, Chemistry, Earth and Environmental Sciences, Civil and Environmental Engineering, or Urban and Public Affairs		11
EVSE 5395	MASTER'S PROJECT	3
Successful completion of the Master's Comprehensive Examination in final semester.		
Total Hours		**30**

Advising Resource

First time in college students should plan to speak to a program advisor when starting their second year. or have an academic advising hold. Transfer students should contact program advising when enrolled or have an academic advising hold.

Location:

SH 328C

Email:

kaycee.nikses@uta.edu

Phone:

817-272-9686

Web:

Schedule an appointment (https://outlook.office365.com/book/PHYSGEOLEESADVISING@mavs.uta.edu/)