

ENVIRONMENTAL SCIENCE

Degree: Master of Science
 Certificate: Geographic Information Systems
 Department: Environmental Studies
 Building 13, Room 206
 (850) 474-2746
[http://uwf.edu/environmental/
 environmental@uwf.edu](http://uwf.edu/environmental/environmental@uwf.edu)
 College: Arts and Sciences

The Department of Environmental Studies offers a program of study leading to the Master of Science in Environmental Science. The program provides advanced research and educational opportunities in the earth (geo) and environmental sciences. Departmental areas of concentration include coastal science, contaminant hydrogeology, geographic information science, hydrogeology, Quaternary geology, and soils science. The program includes both a thesis and non-thesis option, which provide a foundation for employment in the private and public sectors of the environmental fields. In addition, the thesis option prepares students for advanced study leading to the doctoral degree. Contact the department for information regarding the Graduate Certificate in Geographic Information Systems (GIS).

In addition to general University requirements, students seeking the M.S. in Environmental Science must meet the requirements listed below.

ADMISSION REQUIREMENTS

General university requirements for admission to graduate programs are described in the Graduate Admissions section. Graduate departments are currently developing departmental admission guidelines to govern admission to their specific disciplines. Refer to individual departments for more details regarding acceptable graduate admissions test, minimum score requirements, etc. In addition to general university requirements the department requires the applicant to submit

- A formal letter of interest, background, and professional goals
- Three letters of recommendation by individuals in professionally relevant fields

FOUNDATIONAL PROFICIENCIES

Foundational Proficiencies (19-23 Hours)

1. A college-level course in chemistry
2. Two upper-level science courses in the geo-, earth, or environmental sciences
3. Two upper-level techniques courses, e.g., GIS, aerial photo interpretation, remote sensing, field methods, analytical chemistry, instrumental analysis, etc.
4. An upper-level course in statistics or quantitative Methods

Students without the equivalents of any of the above courses will be advised to enroll in a suite of appropriate

foundational courses prior to being considered for admittance to the M.S. program. Students having some of the foundational proficiencies may be admitted to the M.S. program with the understanding that the missing courses be taken during the first year of graduate study. NOTE: Of the foundational proficiencies, only statistics (GEO 5165 or BIO 5176) may be taken for graduate credit AND included in the graduate program of study.

DEGREE REQUIREMENTS

Students accepted into the M.S. program should select, ideally by the end of their first semester, their graduate advisor and graduate committee members. At least two committee members must be Environmental Studies faculty. Students also need to select the thesis or non-thesis option following consultation with their graduate advisor and committee. Detailed graduate guidelines will be provided to the students by the department.

The thesis option entails 30 sh, of which 15 sh must be at the 6000 level and may include up to 6 sh of thesis. The remaining hours must be at the 5000 level or higher.

The non-thesis option entails 36 sh, of which 15 must be at the 6000 level and may include up to 3 sh of internship. The remaining hours must be at the 5000 level or higher. As many as three courses may be from outside the department, including two from outside the University. The detailed program of study will be determined by the graduate advisor in consultation with the student and the student's graduate committee.

Environmental Studies Core (12 sh)

EVR 6930	Special Topics in Environmental Sciences ...	3
GEO 6118	Research Design.....	3
GEO 6936	Graduate Seminar.....	3

Choose one:

EVS 6196C	Sampling and Analysis in Environmental Sciences	3
GIS 6110	Advanced Topics in Geographic Information Science	3

Research or Thesis Option and Additional Courses (18-24 sh)

Choose one option:

Thesis Option (18 sh)

EVS 6971	Thesis	1-6
Course offered 1-6 sh per semester		
*Advisor-approved graduate course work.....		12-17

Non-Thesis Option (24 sh)

*Advisor-approved graduate course work.....21

Choose 3 sh:

EVS 6940	Internship	1-3
Course offered 1-3 sh per semester		
GEO 6905	Directed Study.....	1-3
Course offered 1-3 sh per semester		

* When selecting courses, students must ensure that they have a minimum of 15 sh of 6000-level courses.