

ENVIRONMENTAL SCIENCE, PH.D.

Requirements

General requirements of the Doctor of Philosophy degree are given in the general requirements section of this catalog. It is not necessary that students with the B.S. degree obtain an M.S. degree before pursuing the doctorate.

The Ph.D. in environmental science will require a total of 72 semester hours beyond the requirements of a Bachelor's degree.

Exact degree plans will be specified by the student's advisory committee no later than their third semester (excluding summers) within the doctoral program.

Our curriculum includes a core of 4 classes. Each student will be required to complete at least three semester hours at the graduate level in four of the five areas consisting of: Environmental Toxicology, Environmental Chemistry, Environmental Risk Assessment, and Statistics and Ecological and Environmental Systems.

Code	Title	Hours
Core Competency		12
Select one class from four of the five core competency areas		
<i>Statistical Science/Data Analysis/Data Interpretation/Modeling</i>		
STA 5300	Statistical Methods	
ENV 5430	Mathematical Modeling of Environmental Quality Systems	
ENV 5440	Advanced Statistics for Environmental Scientists	
<i>Environmental Toxicology</i>		
ENV 4344	Fundamentals of Toxicology	
ENV 5370	Advanced Environmental Toxicology and Chemistry	
<i>Environmental Chemistry</i>		
ENV 5387	Advanced Environmental Chemistry	
<i>Environmental Risk Assessment</i>		
ENV 5325	Advanced Methods for Human Health Risk Assessment and Analysis	
ENV 5342	Ecological Risk Assessment	
<i>Ecological and Environmental Systems</i>		
BIO 5300	Advanced Studies in Biology	
ENV 5300	Integrative Seminar in Environmental Studies	
ENV 4386	Remote Sensing	
ENV 4322	Climate Anthropology	
ENV 4345	Water Management	
Seminars		3
Any seminar in STEM (ex: BIO, CHE, GEO, PHY, ANT) with the approval of the Graduate Program Director		
Research		6
ENV 6V98	Dissertation Proposal and Prospectus Research	
Dissertation		12
ENV 6V99	Dissertation	
Electives		39
Select courses in research, laboratory techniques, or classroom offerings with the approval of the Graduate Program Director		
Total Hours		72