

AG*IDEA: A Distance Education Program in Soil Water and Environmental Science

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A new graduate degree program in Soil, Water and Environmental Science (SWES) offers non-traditional students opportunities for Master's degrees and Certificates with wide course choices offered by six universities. The program is offered through the Agricultural Interactive Distance Education Alliance (AG*IDEA), an affiliate of the Great Plains Interactive Distance Education Alliance.

Interested in a New Career or Professional Development?
Place bound, practicing professionals and others gain access to higher education and professional development opportunities through **DISTANCE EDUCATION**

Students enroll in one of the participating universities but may take courses from all participating universities. Each participating university treats courses taught at other universities as if they were from the home university. At the University of Georgia, the College of Agricultural and Environmental Sciences is providing two scholarships to kick-start the program.

Students may select from a wide array of elective courses related to soil science, resource management, technology, analytics and environmental law.



The **Soil, Water, & Environmental Sciences (SWES)** programs are comprised of required core courses in biology, chemistry, physics, hydrology, and pedology, in addition to electives that provide program flexibility to meet individual interest and career needs.

SOIL, WATER, NUTRIENT MANAGEMENT
Soil fertility
Soil erosion & conservation
Environmental appl. of soil science
Plant-water relations
Waste management
Wetlands
Stormwater BMPs
Bioenergy and Environment

TECHNOLOGY, ANALYTICS
Applied geostatistics
Quantitative remote sensing
Precision agriculture technology
Experimental methods
Instrumentation for hydrologic applications
Watershed monitoring & assessment



How to Enroll

- Choose a participating university from the list below
- Apply to the graduate school
- You must meet their admission requirements



SWES Program Committee

John Havlin (Chair)	NC State University
David Radcliffe	University of Georgia
Dennis Shannon	Auburn University
Richard Zartman	Texas Tech University
Yuji Arai	Clemson University
Mark Coyne	Univ. of Kentucky

For additional information contact

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SWES Curriculum

Core Courses	12-15 credits
Soil biology	3
Soil chemistry	3
Soil physics	3
Pedology	3
Hydrology	3
Additional degree requirements	
Statistics	3
Seminar	1
Special problems/thesis	variable
Electives	variable
Total Credits	35



SWES Learning Assessment

- performance in body of coursework, especially in core subjects
- evaluation of seminars, papers, abstracts, and other products of knowledge synthesis
- synthesis paper on contemporary problem of interest
- successful completion of oral exam
- pass fundamental soil science exam
- successful seminar or poster presentation

SWES Certificate includes 15 credits in any combination of courses pertinent to professional interest and goals of the student.

Admission to the Certificate program:
B.S. or B.A. degree and meet course prerequisites

