

SOIL, WATER, AND ECOSYSTEM SCIENCES MINOR

Established in 1884, the mission of the College of Agricultural and Life Sciences is to deliver unsurpassed educational programs that prepare students to address the world's critical challenges related to agriculture, food systems, human well-being, natural resources, and sustainable communities.

Contact

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Gainesville, FL 32611-0270
352.392.1963

Map (<http://campusmap.ufl.edu/?loc=0498>) More Info (<http://cals.ufl.edu/>)

Academic Advising

2020 McCarty Hall D
352.392.1963

About this Program

- **College:** Agricultural and Life Sciences (<http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/>)
- **School:** Natural Resources and Environment (<http://catalog.ufl.edu/UGRD/colleges-schools/UGNTR/>)
- **Credits:** 15 | Completed with minimum grades of C

Department Information

The Soil, Water, and Ecosystem Sciences Department researches and teaches about soil, water, and environmental sciences in urban, agricultural, and natural ecosystems. Since its origins over 100 years ago, the department has made significant contributions to improving the productivity of Florida's agriculture, helping protect the state's unique ecosystems, and contributing to soil and water science at national and international levels.

Website (<https://soils.ifas.ufl.edu/>)

CONTACT

Email (soils@ifas.ufl.edu) | 352.294.3`51

P.O. Box 110290
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GAINESVILLE FL 32611-0290
Map (<http://campusmap.ufl.edu/#/index/0495>)

Curriculum

- Interdisciplinary Studies | Environmental Management in Agriculture and Natural Resources UF Online
- Combination Degrees
- Environmental Management in Agriculture and Natural Resources | Interdisciplinary Studies
- Soil, Water, and Ecosystem Sciences
- Soil, Water, and Ecosystem Sciences Minor

This minor must include SWS 3022 and SWS 3022L. Additional SWS courses must be approved in writing by the academic advisor and the undergraduate coordinator in soil and water science at least two semesters before graduation. Courses taught outside the Department of Soil and Water Sciences cannot be used to fulfill requirements for this minor.

Fifteen credits in soils courses are necessary for certification as a soil scientist and/or to work for the federal government as a soil scientist. Some courses offered in soil and water sciences will not be accepted for certification or to work for the federal government.

Required Courses

Code	Title	Credits
SWS 3022 & 3022L	Introduction to Soils in the Environment and Introduction to Soils in the Environment Laboratory	4
Approved electives		11
Total Credits		15

Approved Electives

Code	Title	Credits
AGG 4502	Nanotechnology in Food, Agriculture, and Environment	3
ALS 3133	Agricultural and Environmental Quality	3
SWS 2007	The World of Water	3
SWS 2008	Land and Life	3
SWS 4116	Environmental Nutrient Management	3
SWS 4180	Earth System Analysis	3
SWS 4204	Urban Soil and Water Systems	3
SWS 4207	Sustainable Agricultural and Urban Land Management	3
SWS 4223	Environmental Biogeochemistry	3
SWS 4231C	Soil, Water and Land Use	3
SWS 4233	Soil and Water Conservation	3
SWS 4244	Wetlands	3
SWS 4245	Water Resource Sustainability	3
SWS 4303C	Soil Microbial Ecology	3
SWS 4307	Ecology of Waterborne Pathogens	3
SWS 4451	Soil and Water Chemistry	3
SWS 4550	Soils, Water and Public Health	3
SWS 4602C	Soil Physics	3
SWS 4715C	Environmental Pedology	4
SWS 4720C	GIS in Soil and Water Science	3
SWS 4800	Environmental Soil and Water Monitoring Techniques	3
SWS 4905	Individual Work	1-3
SWS 4932	Special Topics in Soil and Water Science	1-3
