

Faculty With Water Interests

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Contaminant Effects on Aquatic Organisms

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Wetland Mitigation/Natural Resource Use

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Human activities, Environmental Issues Related to
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William Fisher, Assistant Leader

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Water & Watershed Management

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Faculty Continued

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Protection

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Phosphorus Abatement in Watersheds

Daniel Storm, Professor

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Environmental Remediation and Restoration

Donald Turton, Associate Professor

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John Veenstra, Professor

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Water and Watershed Specialization

- Water Quality and Quantity
- Surface and Ground Water
- Watershed Management
- Riparian Corridor Management
- Aquatic Ecology
- Water Policy
- Geospatial Technology
- Sustainability

Environmental Science Graduate Program
Oklahoma State University
003 Life Sciences East
Stillwater OK 74078-3011

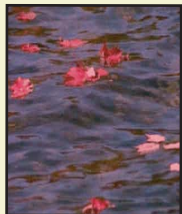
<http://environ.okstate.edu/es>
405-744-9229
1-888-477-7422



Program Description

OSU has an exceptionally strong curriculum in water and watershed science and policy. This option will allow environmental science graduate students an opportunity to obtain an officially recognized interdisciplinary focus in sustainable water and watershed management that includes training in surface and groundwater protection, water resources planning, aquatic ecology and toxicology, hydrology, water treatment, water recreation, water law, economics, risk assessment, and environmental and community education.

Graduates of the program find employment in a variety of areas such as environmental consulting, universities, environmental agencies, public and private schools, city governments, and industry.



Core Courses

ENVR 5303 Issues in Envir. Sustainability
ENVR 6011/6023/6031
ENVR 5123 Envir Problem Analysis

Suggested Additional Courses






AGEC 5503 Economics of Natural & Envir. Resource Policy
BAE 4313 Hydrology I
BAE 5313 Watershed Modeling and Wager Quality
BAE 6343 Ground Water Contaminant Transport
BAE 6520 Watershed Modeling & Water Quality
CIVE 5013 Aquatic Chemistry
CIVE 5833 Water Quality Management
CIVE 5913 Groundwater Hydrology
CIVE 5923 Water Resources Planning and Management
CIVE 5973 Groundwater Quality
CIVE 5983 Groundwater Pollution Control
ENVR 6210 Advanced Seminar in Envir. Science*
ENVR 5050 Readings in Envir. Science
ENVR 5210 Applied Standards for Envir. Mgrs.*
ENVR 5123 Environmental Problem Analysis
ENVR 5813 Water Science
ENVR 5823 Watershed Management.*
ENVR 5703 Chemical Aspects of Envir. Science I
ENVR 5713 Chemical Aspects of Envir. Science II
ENVR 5743 Environmental Impact Assessment *
ENVR 5733 Environmental Site Assessment *
ENVR 6050 Advanced Readings in Envir. Science
FOR 4813 Hydrology and Water Quality
FOR 4823 Land Use and Water Quality
GEOG 4333 Remote Sensing
GEOG 4343 Geographic Information Systems
GEOG 5343 Advanced GIS
GEOG 6340 Advanced Image Analysis
GEOL 4453 Hydrogeology (not for graduate credit)
GEOL 4463 Physical Hydrogeology
GEOL 5073 Fluvial Geomorphology
GEOL 5453 Advanced Hydrogeology
PLNT 5112 Herbicide Fate in the Environment
POLS 4363 Environmental Law and Administration
POLS 5620 Seminar in Natural Resource Policy, Law and Administration

* Denotes courses in development or number change

Courses Continued

POLS 5633 Practical Environmental Compliance
POLS 5643 Regulatory Risk Analysis
SOIL 3893 Soil Chemistry and Environmental Quality
SOIL 4483 Soil Microbiology
SOIL 5353 Advanced Soil Genesis and Classification
SOIL 5483 Soil Biodegradation and Bioremediation
ZOO 4414 Fisheries Management
ZOO 4434 Limnology
ZOO 5303 Ecotoxicology
ZOO 5463 Stream Ecology
ZOO 5583 Wetland Wildlife Ecology

Research Areas

-  Nutrient Management in the Illinois River and Eucha-Spavinaw watersheds
-  Simpson-Arbuckle ground water characterization
-  Tar Creek Superfund site water contamination
-  Sustainability within the Stillwater Creek watershed
-  Riparian area management



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