

**UNIVERSITY OF ARKANSAS**  
**Dale Bumpers College of Agricultural, Food and Life Sciences**  
**ENVIRONMENTAL, SOIL, AND WATER SCIENCE MINOR**  
**2016 - 2017**

\* A student planning to minor in Environmental Soil and Water Science must notify the program advisor for consultation and more detailed information. The minor of Environmental, Soil and Water Science will consist of a minimum of 18 credit hours.

**ENVIRONMENTAL SCIENCE (a minimum of 6 hrs)**

- \_\_\_\_\_ ENSC 1003 Environmental Science (required) (FA)  
AND SELECT FROM THE FOLLOWING:
- \_\_\_\_\_ AGEC 3413 Principles of Environmental Economics (SP, AGEC 1103 or ECON 2023)
- \_\_\_\_\_ AGEC 3503 Agricultural Law I (FA)
- \_\_\_\_\_ AGEC 3523 Environmental Science & Natural Resource Law (SP, even)
- \_\_\_\_\_ BIOL 3863/3861L General Ecology and Lab (SP, FA (lab FA only), 7 hours of biological sciences)
- \_\_\_\_\_ ENSC 3103 Plants and Environmental Restoration (FA, CSES 1203 or HORT 2003 or BIOL 1613/1611L)
- \_\_\_\_\_ ENSC 3223/3221L Ecosystems Assessment & Lab (FA, even, BIOL 1543)
- \_\_\_\_\_ ENSC 3263 Environmental Soil & Water Conservation (FA, CSES 2203)
- \_\_\_\_\_ ENSC 3603 GIS for Environmental Science (SP odd, CSES 2203)
- \_\_\_\_\_ ENSC 3933 Environmental Ethics (SP odd, ENSC 1003 or PHIL 2003 or PHIL 2103)
- \_\_\_\_\_ ENSC 4034 Analysis of Environmental Contaminants with lab component (SP even, CHEM 2613/2611L)
- \_\_\_\_\_ HESC/SOCI 4603 Environmental Sociology (SP)

**SOIL SCIENCE (a minimum of 6 hrs)**

- \_\_\_\_\_ CSES 2203 Soil Science (required) (FA, SP)  
AND SELECT FROM THE FOLLOWING
- \_\_\_\_\_ CSES 3214 Soil Resources and Nutrient Cycles with lab component (SP odd, BIOL 2013/2011L, CSES 2203)
- \_\_\_\_\_ CSES 355V Soil Profile Descriptions (FA)
- \_\_\_\_\_ CSES 4224 Soil Fertility with lab component (FA, CSES 2203/2201L, CHEM 1123/1121L or CHEM 1073/1071L and CHEM 2613/2611L)
- \_\_\_\_\_ CSES 4253 Soil Classification and Genesis with lab component (FA odd, CSES 2203/2201L)
- \_\_\_\_\_ ENSC 4263 Environmental Soil Science (SP even, CSES 3214, PHYS 2013/2011L)

**WATER SCIENCE (a minimum of 6 hrs)**

- \_\_\_\_\_ ENSC 3003 Introduction to Water Science (required) (SP, MATH 1203, ENSC 1003 or other science (see syllabus))  
AND SELECT FROM THE FOLLOWING
- \_\_\_\_\_ ENSC 4023 Water Quality (FA, ENSC 3003, CHEM 1123/1121L or BIOL 1543/1541L)
- \_\_\_\_\_ GEOS 3333 Oceanography (SP even, junior standing)
- \_\_\_\_\_ GEOS 4033 Hydrogeology with lab component (SP, MATH 2043 or 2564, GEOL 3513/3511L)

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Approved: Student \_\_\_\_\_  
Major Advisor \_\_\_\_\_  
Minor Advisor \_\_\_\_\_  
Date \_\_\_\_\_

Copies to: Student  
Major Advisor  
Minor Advisor  
Student's Dean's Office (if not AFLS)