

UNIVERSITY OF ARKANSAS
Dale Bumpers College of Agricultural, Food and Life Sciences
NATURAL RESOURCES MANAGEMENT MINOR
2017 - 2018

* A student planning to minor in Natural Resources Management must notify the program adviser for consultation and more detailed information.

* The Natural Resources Management Minor will consist of a total of 18 hours to be comprised of the following required and optional courses. No more than 9 hours can be counted towards a Natural Resources Management minor with an ESWS major.

Required Courses

(7 hours)

____ ENSC 1001L Environmental Science Laboratory (FA, SP)
 ____ ENSC 1003 Environmental Science (FA, SP)

AND

____ CSES 2203 Soil Science (FA, SP, MATH 1203, CHEM 1103 or CHEM 1074) **OR**
 ____ ENSC 3003 Introduction to Water Science (SP, MATH 1203, ENSC 1003 or other sci.)

Optional Courses

Select the remaining 11 hours, with at least 8 hours 3000-level or above.

____ AGEC/ENSC 3413 Principles of Environmental Economics (SP, AGEC 1103 or ECON 2023)
 ____ AGEC 3503 Agricultural Law I (FA)
 ____ AGEC 3523 Environmental and Natural Resources Law (SP even)
 ____ BIOL 3861 General Ecology Lab (FA, BIOL 3863)
 ____ BIOL 3863 General Ecology (SP, FA - 7 hours of biological sciences)
 ____ CSES 1203 Plant Science (SP, FA), CSES 2103 Crop Science (SP), **or** BIOL1613/1611L (SP, SU)
 ____ CSES 2013 Pest Management (SP)
 ____ CSES 2201L Soil Science Laboratory (FA, SP, pre or co-req CSES 2203)
 ____ CSES 2203 Soil Science (FA, SP, MATH 1203, CHEM 1103 or CHEM 1074)**
 ____ CSES 3214 Soil Resources and Nutrient Cycles with Laboratory (SP odd, CSES 2203, BIOL 2013)
 ____ CSES 355V Soil Profile Description (FA, 1 hour, may take twice for credit)
 ____ CSES 4013 Advanced Crop Science (FA, CSES 2103)
 ____ CSES 4133 Ecology and Morphology of Weedy and Invasive Species (FA, CSES 2103 (or HORT 2003) and CSES 2003).
 ____ CSES 4224 Soil Fertility with Laboratory (FA)
 ____ CSES 4253 Soil Classification and Genesis with Laboratory (FA odd, CSES 2203)
 ____ CSES 4253 Wetland Soils (SP odd, CSES 2203)
 ____ CSES 462V Internship
 ____ ENSC 3103 Plants and Environmental Restoration (FA, CSES 1203, BIOL 1613, or HORT 2003)
 ____ ENSC 3003 Introduction to Water Science (SP, MATH 1203, ENSC 1003 or other sci.)**
 ____ ENSC 3223 Ecosystem Assessment (FA even, BIOL 1543)
 ____ ENSC 3263 Soil and Water Conservation (FA)
 ____ ENSC 3603 GIS for Environmental Science (SP odd, CSES 2203)
 ____ ENSC 4021L Water Quality Laboratory (FA, CHEM 1123/1121L, BIOL 1543/1541L)
 ____ ENSC 4023 Water Quality (FA, pre or co-req ENSC 4023)
 ____ ENSC 4034 Analysis of Environmental Contaminants w/Lab (SP even, pre or co-req CHEM 2613)
 ____ ENSC 4263 Environmental Soil Science (SP even, CSES 3214, PHYS 2013)
 ____ ENSC 4401 Professional Certification (SP, junior or senior standing)
 ____ GEOS 3043 Sustaining Earth (SP, SU, FA - Junior standing)
 ____ GEOS 3543 Geographic Information Science (FA, SP, online)

** If not counted as Required Course

Approved: Student _____

Major Advisor _____

Minor Advisor _____

Date _____