2015-16 Approved Degree Requirements for the UALR
B.S. Degree in Environmental Engineering (128 credit hours)

1. UALR General Education Requirements (35 credit hours)
   
a. UALR Standard Core (21 hours)
   - Communication-Written (6 hours)
   - History of Civilization (3 hours)
   - U.S. Traditions (3 hours)
   - Fine Arts (3 hours)
   - Humanities (3 hours)
   - Social Sciences (3 hours)

   b. EIT College Core (14 hours)
   - Mathematics (3 hours)
   - Science (8 hours)
   - Additional Math and Science (3 hours)

2. Major Requirements (93 credit hours)
   
a. Humanities and Social Science (0 hours beyond the UALR General Education Requirements)
   - ECON 2301 Survey of Economics or ECON 2322 Principles of Microeconomics
   - PHIL 2320 Ethics and Society
   - POLS 1310 American National Government

   b. Mathematics and Science (59 credit hours—45 hours beyond the EIT College Core**)
   - BIOL 1400 Evolutionary and Environmental Biology
   - **BIOL 2401 Microbiology
   - CHEM 1402 General Chemistry I
   - **CHEM 1403 General Chemistry II
   - **CHEM 2310 Analytical Chemistry I
   - **CHEM 3150 General Organic Chemistry I Lab
   - **CHEM 3350 General Organic Chemistry I
   - **ERSC 1102 Physical Geology Lab
   - ERSC 1302 Physical Geology
   - **ERSC 4372 Surface Water Hydrology
   - **ERSC 4473 Hydrogeology
   - MATH 1451 Calculus I (**1 hour exceeds EIT College Core)
   - **MATH 1452 Calculus II
   - **MATH 2453 Calculus III
   - **MATH 3322 Introduction to Differential Equations
   - **PHYS 2321 Physics for Scientists and Engineers I
   - **PHYS 2121 Physics for Scientists and Engineers I Lab
   - **STAT 3352 Applied Statistics I
   - **Environmental Science Requirement
     - 1. **CHEM 4342 Environmental Chemistry
     - 2. or **ERSC 4322 Environmental Geology
3. Professional Requirements


b. Document at least 800 hours of practical work experience in approved engineering- or construction-related activities, such as student competitions, part-time or full-time employment, internships, cooperative education, community service learning projects, or prior experience.