

Requirements for BS in Geology (effective Fall 2018)

General: 120 minimum total hours, including 45 hours of upper-level courses (3000-4000 level), and 30 hours in residence.

First-Year Colloquium (0-3 hours)

- Required of full-time freshmen entering college for the first time and transfer students with less than 12 credit hours.

Core (35 hours)

Geology majors should complete the following for their Laboratory Science core requirements: ERSC 1302/1102 or ERSC 1304/1104; ERSC 2303/2103

Major (62-64 hours)

Earth Science Foundation Courses (35 hours)

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|--|------------|---|
| <input type="checkbox"/> ERSC 1302/1102 Physical Geology/Lab | or | <input type="checkbox"/> ERSC 1304/1104 Earth and the Environment/Lab |
| and | | |
| <input type="checkbox"/> ERSC 2303/2102 Historical Geology/Lab | and | <input type="checkbox"/> ERSC 3440 Sedimentology & Stratigraphy (fall) and |
| <input type="checkbox"/> ERSC 3320 Field Geology I (spring) and | | <input type="checkbox"/> ERSC 4190 Senior Seminar (fall) and |
| <input type="checkbox"/> ERSC 3410 Mineralogy (fall) and | | <input type="checkbox"/> ERSC 4320 Field Geology II (summer) and |
| <input type="checkbox"/> ERSC 3411 Igneous & Meta. Petrology (spring) and | | <input type="checkbox"/> ERSC 4473 Hydrogeology (fall) |
| <input type="checkbox"/> ERSC 3430 Structural Geology (spring) and | | |

ERSC upper level electives (5 hours)

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- _____
- _____

Supporting Courses (22-24 hours)

Chemistry (8 hours)

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|--|------------|---|
| <input type="checkbox"/> CHEM 1402 General Chemistry I | and | <input type="checkbox"/> CHEM 1403 General Chemistry II |
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Physics (8 hours): Choose a single Physics Lab/Lecture two-course sequence

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|---|------------|--|
| <input type="checkbox"/> PHYS 1321/1121 College Physics/Lab I | and | <input type="checkbox"/> PHYS 1322/1122 College Physics/Lab II |
| or | | |
| <input type="checkbox"/> PHYS 2321/2121 Physics for Sci. & Eng./Lab I | and | <input type="checkbox"/> PHYS 2322/2122 Physics for Sci. & Eng./Lab II |

Math (6-8 hours): Choose a two-course Math sequence

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|---|-----------|--|
| <input type="checkbox"/> MATH 1451 Calculus I | or | <input type="checkbox"/> MATH 1311 Applied Calculus I |
| and | | |
| <input type="checkbox"/> MATH 1452 Calculus II | or | <input type="checkbox"/> MATH 1312 Applied Calculus II or |
| <input type="checkbox"/> STAT 2350 Intro to Statistical Methods | or | <input type="checkbox"/> STAT 3352 Applied Statistics I |

Unrestricted General Electives

- Remaining hours, if any, to reach 120 minimum total hours, 45 upper-level hours (3000-4000 level) and/or 30 hours in residence

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UA-Little Rock Core Curriculum (35 hours)

Standard Core (29 hours)

Communication – Written (6 hours)

- RHET 1311: Composition I and
- RHET 1312: Composition II or
- RHET 1320: Honors Composition

Fine Arts (3 hours)

- ARHA 2305: Intro. to Visual Art
- ARHA 2306: Intro. to Architecture
- MCOM 2306: Intro. to Motion Pictures
- MUHL 2305: Intro. to Music
- THEA 2305: Intro. to Theatre and Dance

Humanities (3 hours)

- ENGL 2337: World Literature
- ENGL 2339: Mythology
- PHIL 2320: Ethics and Society
- PHIL 2321: Ethics and Society: Prof. Appl.
- RELS 2305: World Religions

Social Sciences (3 hours)

- ANTH 2316: Cultural Anthropology
- CRJU 2300: Intro. to Criminal Justice
- ECON 2301: Survey of Economics
- ECON 2322: Principles of Microeconomics
- GEOG 2312: Intro. to Cultural Geography
- GNST 2300: Intro. to Gender Studies
- POLS 2301: Intro. to Political Science
- POLS 2303: Intro to International Politics
- PSYC 2300: Psychology and the Human Experience
- SOCI 2300: Intro. to Sociology

History of Civilization (3 hours)

- HIST 1311: History of Civilization I or
- HIST 1312: History of Civilization II

US History/Government (3 hours)

- HIST 2311: US History to 1877
- HIST 2312: US History since 1877
- POLS 1310: American National Government

Science (8 hours)

- ANTH 1415: Physical Anthropology
- ASTR 1301/1101: Intro. to Astronomy and Lab
- BIOL 1400: Evolutionary and Environmental Biology
- BIOL 1401: Science of Biology
- BIOL 1433: Essentials of Anatomy and Physiology
- BIOL 2401: Microbiology
- CHEM 1400: Fundamentals of Chemistry I
- CHEM 1402: General Chemistry I
- CHEM 1406: General Chemistry for Engineers
- CHEM 1409: Chemistry and Society
- ERSC 1302/1102: Physical Geology and Lab
- ERSC 1304/1104: Earth and the Environment/Lab
- ERSC 2303/1103: Historical Geology and Lab
- PHYS 1321/1121: College Physics I and Lab
- PHYS 1322/1122: College Physics II and Lab
- PHYS 2321/2121: Physics for Scientists and Engineers I and Lab
- PHYS 2322/2122: Physics for Scientists and Engineers II and Lab

EIT College Core (6 hours)

Flex (3 hours)

- Any Humanities course (see left)
- Any Social Sciences course (see left)
- CNMG 1385: Infrastructure, Environment, and Society
- ACOM 1300: Intro. to Communication
- CALS 2370: Topics in Interdisciplinary Studies

Mathematics (3 hours)

- MATH 1302: College Algebra
- MATH 1303: Trigonometry
- MATH 1321: Quantitative and Mathematical Reasoning
- MATH 1342: Applied Calculus I
- MATH 1401: Precalculus
- MATH 1451: Calculus I
- STAT 2350: Intro. to Statistical Methods

Full list of approved UA-Little Rock Core Courses can be found at the following link:

<http://ualr.edu/facultysenate/councils-and-committees-of-the-faculty-senate/council-on-core-curriculum-and-policies/approved-ualr-core-curriculum-courses/>