

2019-2020 Degree Map-Bachelor of Science in Geology: Environmental Option

This map is a term-by-term sample course schedule. The milestones listed to the right of each term are designed to keep you on course to graduate in four years. The Sample Schedule serves as a general guideline to help you build a full schedule each term. See course descriptions and prerequisites at <http://www.atu.edu/catalog/>

Possible careers include: Natural Sciences Manager, Water Resource Specialist, Geoscientist, Hydrologist, Atmospheric/Earth/Marine/Space Sciences Teacher, Geological Data Technician, Geologist, Seismologist, Environmental Scientist

#Prerequisite Courses: ENGL 0303 _____ ENGL 0404 _____ READ 0103 _____ MATH 0803 _____ MATH 1003 _____ MATH 0903 _____ MATH 0900 _____ MATH 1110 _____

Sample Schedule

| Semester 1 | Hrs. | Grade | Milestones/Notes | Semester 1 |
|--|-----------|------------|------------------|------------|
| ENGL 1013- Comp I (ACTS=ENGL 1013) | 3 | # | | |
| PHSC 1001- Orientation to Physical Science | 1 | | | |
| MATH 1113- College Algebra (ACTS=MATH 1103) | 3 | # | Milestone | |
| PHSC 1004- Principles of Environmental Science | 4 | | | |
| GEOL 1014- Physical Geology (ACTS= GEOL 1114) | 4 | | Milestone | |
| Total hours | 15 | GPA | | |

| Semester 2 | Hrs. | Grade | Milestones/Notes | Semester 2 |
|---|-----------|------------|----------------------------|------------|
| ENGL 1023- Comp II (ACTS= ENGL 1023) | 3 | # | | |
| CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414) | 4 | | Prereq. for GEOL 3014 | |
| GEOL 2024- Historical Geology (ACTS= GEOL 1134) | 4 | | (ACTS= CPSI1003) | |
| COMS 1003- Intro. to Computer Based Systems | 3 | | MATH2163(ACTS=MATH2103) | |
| PHSC 1011- Orientation to Physical Science II | 1 | | Substitutions not allowed. | |
| Total hours | 15 | GPA | | |

| Semester 3 | Hrs. | Grade | Milestones/Notes | Semester 3 |
|--|-----------|------------|------------------------------|------------|
| ENGL 2053- Technical Writing (ACTS=ENGL 2023) | 3 | | | |
| Social Sci/Fine Arts/Humanities/Comm | 3 | | | |
| U.S. History & Government | 3 | | | |
| CHEM 2134/2130- General Chemistry II (ACTS= CHEM 1424) | 4 | | Requires prereq of CHEM 2124 | |
| GEOL 3014- Mineralogy | 4 | | Requires prereq of CHEM 2124 | |
| Total hours | 17 | GPA | | |

| Semester 4 | Hrs. | Grade | Milestones/Notes | Semester 4 |
|---|-----------|------------|------------------------------|------------|
| BIOL 1014- Intro. to Biological Science (ACTS= BIOL 1004) | 4 | | | |
| GEOL 3004- Structural Geology | 4 | | | |
| COMS 2003- Microcomputer Applications | 3 | | | |
| GEOL 2111- Environmental Seminar | 1 | | | |
| GEOL 3164- Petrology | 4 | | | |
| Total hours | 16 | GPA | GEOL ADVISOR ASSIGNED | |

The Arkansas Course Transfer System (ACTS) is designed to assist in planning the academic progress of students. This system contains information about the transferability of courses within Arkansas public colleges and universities. The Arkansas Course Transfer System can be accessed at <http://acts.adhe.edu/>

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| Fine Arts and Humanities ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Introduction to Music (ACTS=MUSC1003) TH 2273 Introduction to Theatre (ACTS=DRAM 1003) ENGL 2173 Introduction to Film JOUR 2173 Introduction to Film ENGL 2183 Honors Introduction to Film ENGL 2003 Introduction to World Literature (ACTS=ENGL2113) ENGL 2013 Intro. to American Literature (ACTS=ENGL2653) ENGL 2023 Honors World Literature PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103) PHIL 2043 Honors Introduction to Philosophy PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003) | U.S. History & Government HIST 1903 Survey of American History HIST 2003 United States History to 1877 (ACTS=HIST2113) HIST 2043 Honors United States History to 1877 HIST 2013 United States History since 1877 (ACTS=HIST2123) POLS 2003 American Government (ACTS=PLSC2003) |
| | Communication Courses COMM 1003 Intro to Speech Comm COMM 2003 Public Speaking COMM 2173 Business and Professional Speaking |

Sample Schedule

| Semester 5 | Hrs. | Grade | Milestones/Notes | Semester 5 |
|---|--------------|------------|-------------------------------------|------------|
| BIOL 3043- Conservation or *Sci/Math Elective (3000-4000 level) | 3 | | Must complete Biol3043 and Elective | |
| PHYS 2014/2000- Physical Principles I (ACTS= PHYS2014) | 4 | | | |
| GEOL 3023- Geologic Field Techniques | 3 | | | |
| GEOL 3044- Geomorphology or GEOL 3153- Env. Geology | 3-4 | | | |
| Total hours | 13-14 | GPA | | |

| Semester 6 | Hrs. | Grade | Milestones/Notes | Semester 6 |
|---|-----------|------------|-----------------------------|------------|
| Fine Arts & Humanities | 3 | | pre-req: GEOL 3004 | |
| Fine Arts & Humanities | 3 | | | |
| PHYS 2024/2010- Physical Principles II (ACTS= PHYS2024) | 4 | | | |
| Social Science | 3 | | pre-req: GEOL 3004 | |
| GEOL 3111- Environmental Seminar | 1 | | | |
| Total hours | 14 | GPA | APPLY FOR GRADUATION | |

| Semester 7 | Hrs. | Grade | Milestones/Notes | Semester 7 |
|---|--------------|------------|-------------------------------------|------------|
| Social Science | 3 | | | |
| BIOL 3043- Conservation or *Sci/Math Elective (3000-4000 level) | 3 | | Must complete Biol3043 and Elective | |
| GEOG 2833- Intro. to Geographic Information Systems | 3 | | | |
| GEOL 3044- Geomorphology or GEOL 3153- Env. Geology | 3-4 | | pre-req: GEOL 3004 | |
| GEOL 3083- Hydrogeology | 3 | | | |
| Total hours | 15-16 | GPA | | |

| Semester 8 | Hrs. | Grade | Milestones/Notes | Semester 8 |
|---|-----------|------------|--|------------------|
| GEOL 3174- Computer Applications in Geology | 4 | | | |
| GEOL 4111- Environmental Seminar | 1 | | | |
| Science/Math Elective* | 3 | | Graduation Requirements: Min. hours 3000-4000 level courses: 40 No more than 4 PE activity hours Min. hours required:120 | |
| Science/Math Elective* | 3 | | | |
| GEOL 4043- Geochemistry | 3 | | | |
| Total hours | 14 | GPA | | 2.00+ GPA |

General Electives: 0 hours

*Science/Math Electives: Physical or Life Sciences & Mathematics (Geology, Biology, Chemistry & Math)

indicates a "C" or better is required

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| HIST 1503 World History to 1500 (ACTS=HIST1113) HIST 1513 World History since 1500 (ACTS=HIST1123) HIST 1543 Honors World History to 1500 HIST 2003 U.S. History to 1877 (ACTS=HIST2113) HIST 2013 U.S. History since 1877 (ACTS=HIST2123) HIST 2043 Honors U.S. History to 1877 HIST 1903 Survey of American History POLS 2003 American Government (ACTS=PLSC2003) ECON 2003 Principles of Economics I (ACTS=ECON2103) ECON 2103 Honors Principles of Economics I | Social Sciences ECON 2013 Principles of Economics II (ACTS=ECON2203) SOC 1003 Introductory Sociology (ACTS=SOCI1013) PSY 2003 General Psychology (ACTS=PSYC1103) ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013) ANTH 2003 Cultural Anthropology (ACTS=ANTH2013) GEOG 2013 Regional Geography of the World (ACTS=GEOG2103) AMST 2003 American Studies |
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