Bachelor of Science in Chemistry (2014-2015)

35 hour State Minimum Core - These courses can be transferred to the UA (ADHE ACTS courses in parenthesis)

### English Composition: 6 hours
- ENGL 1013 – English Composition I (ENGL 1013)
- ENGL 1023 – English Composition II (ENGL 1023)

### Fine Arts: 3 hours
- ARHS 1003 – Art History Lecture (ARTA 1003)
- COMM 1003 – Film Lecture
- MUSC 1003 – Music Appreciation (MUSC 1003)
- THTR 1003 – Intro to Theatre (DRAM 1003)

### Humanities: 3 hours
- PLAN 2003 – Any World Language Intermediate I
- PHIL 2103 – Intro to Ethics
- PHIL 2203 – Intro to Logic
- WLT 1113 – World Lit I (ENGL 2113)

### Mathematics: 3 hours
- MATH 1203 or MATH 1204 – College Algebra (MATH 1103)

**NOTE:** Due to pre-requisites, MATH 1113 (MATH 1113) is not a recommended course for CHEM majors

### Natural Science: 8 hours
- CHEM 1103/1101L – Univ. Chem I (CHEM 1414)
- CHEM 1123/1121L – Univ. Chem II (CHEM 1424)
- PHYS 2054 – University Physics I (PHYS 2034)
- PHYS 2074 – University Physics II (PHYS 2044)

### US History/Government: 3 hours
- HIST 2003 – Hist. Am. People to 1877 (HIST 2113)
- HIST 2013 – Hist. Am People from 1877 (HIST 2123)

### Social Science: 9 hours
- ANTH 1023 – Cultural Anthropology (ANTH 2013)
- ECON 2103 – Microeconomics (ECON 2103)
- ECON 2203 – Macroeconomics (ECON 2203)
- GEOG 1125 – Human Geography (GEOG 1113)
- GEOG 2003 – World Regional Geography (GEOG 2103)
- HESC 1403 – Life Span Development
- HESC 2413 – Family Relations
- HIST 1113 – Institutions/Ideas of World Civ I (HIST 1113 or HIST 1213)
- HIST 1123 – Institutions/Ideas of World Civ II (HIST 1123 or HIST 1223)
- PLSC 2203 – State & Local Gov’t (PLSC 2103)

### Pre-Requisite Mathematics: up to 4 hrs
**NOTE:** These courses will typically count as general electives toward the CHEMS degree at the UofA. Students are encouraged to begin the math sequence at the highest appropriate level. See advisor for proper placement.
- MATH 1213 – Trigonometry (MATH 1203) – OR  
- MATH 1284 – Precalculus (MATH 1305)

**The above courses need to be completed so that students are able to begin Calculus I (or higher) at the time of transfer**

### Required General Electives: Hours vary; discuss with your advisor.

**NOTE:** courses necessary to complete the AA/AS at current institution could count for general electives.

### Mathematics: 12 hours
- MATH 2554 – Calculus I (MATH 2405)
- MATH 2564 – Calculus II (MATH 2505)
- MATH 2574 – Calculus III (MATH 2603)

### Physics: 8 hours
- PHYS 2054 – University Physics I (PHYS 2034)
- PHYS 2074 – University Physics II (PHYS 2044)

### Chemistry: 45 hours
- CHEM 1103/1101L – Univ. Chem I (CHEM 1414)
- CHEM 1123/1121L – Univ. Chem II (CHEM 1424)

**NOTE:** Students should complete CHEM I & CHEM II prior to transferring to the UofA in order to remain in sequence and to progress smoothly in the major.

- CHEM 2263/2261L – Analytical Chemistry
- CHEM 3703/3702L – Organic Chemistry I for majors
- CHEM 3713/3712L – Organic Chemistry II majors
- CHEM 3504 – Physical Chemistry I
- CHEM 3514/3512L – Physical Chemistry II
- CHEM 4123 – Advanced Inorganic Chemistry I
- CHEM 4213/4211L – Instrumental Analysis
- CHEM 4723 – Experimental Methods in Organic & Inorganic Chemistry

- CHEM_____________ - Any 3000+ CHEM course

This form is a guide and should not substitute for the University Catalog. Please see your advisor regularly. This is not a degree plan. This is not a contract. Additional preparatory courses may be necessary based on your placement test scores. You must see your advisor for proper course placement & selection.

**General Transfer Rules:** 1) No more than 68 hours of lower-division (fr/sr) course work will be used for the student’s degree; 2) Students must complete at least 50% of major requirements within the appropriate department in Fulbright College; 3) Students must complete at least 30 upper-division (jr/sr) courses at the UofA; 4) General transfer credit is awarded for courses with an earned grade of “C” or higher; 5) Other graduation rules apply – see your advisor.

http://catalog.uark.edu/undergraduatecatalog/academiregulations/transfercredit/

**NOTE:** no degree credit is awarded for a world language course at the 1003 (Elementary I) level if the student is continuing with a language taken in high school or did not complete two years of a world language in high school.

Students admitted to the university with a completed two-year college degree from an Arkansas state-supported two-year or four-year college or university, as stated in Act 182, may have general education (core) requirements waived; however, students must still complete any lower division, discipline specific courses required for the major.