Bachelor of Science in Chemistry (2014-2015)

35 hour State Minimum Core - These courses can be taken at NWACC (NWACC 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 (ARHS 1003)
- COMM 1003 – Film Lecture (COMM 1003)
- MUSI 1003 – Music Appreciation (MUSI 1003)
- THTR 1003 – Intro to Theatre (DRAM 1003)
- ART 1033 – Studio Art (not offered at UA)

**Humanities: 3 hours**
- FLAN 2003 – Any World Language Intermediate I
- PHIL 2103 – Intro to Ethics (PHIL 2103)
- PHIL 2203 – Intro to Logic (PHIL 2203)
- WLT 1113 – World Lit I (ENGL 2113)
- WLT 1123 – World Lit II (ENGL 2223)

**Mathematics: 3 hours**
- MATH 1203 or MATH 1204 – College Algebra (MATH 1203; MATH 1204; MATH 1205)

**Natural Science: 8 hours**
- CHEM 1103/1101L – College Chem I (CHEM 1104)
- CHEM 1123/1121L – College Chem II (CHEM 1124)
- PHYS 2054 – University Physics I (PHYS 2054)
- PHYS 2074 – University Physics II (PHYS 2074)

**US History/Government: 3 hours**
- PLC 2003 – Am Natl Govt’s (PLSC 2003)

**Social Science: 9 hours**
- ANTH 1023 – Cultural Anthropology (ANTH 1023)
- ECON 2013 – Macroeconomics (ECON 2013)
- ECON 2023 – Microeconomics (ECON 2023)
- GEOG 1123 – Human Geography (GEOG 1123)
- GEOG 2003 – World Regional Geography (GEOG 2103; GEOG 2133)
- HESC 1403 – Life Span Development (PSYC 2103)
- HESC 2413 – Family Relations (PSYC 2063)
- HIST 1113 – Institutions/Ideas of World Civ I (HIST 1003; HIST 1033; HIST 1113)
- HIST 1123 – Institutions/Ideas of World Civ II (HIST 1013; HIST 1043; HIST 1123)
- PLC 2203 – State & Local Gov’t (PLSC 2203)
- SOCI 2013 – General Sociology (SOCI 2013)
- SOCI 2033 – Social Problems (SOCI 2033)

**Major Requirements – Unless specified, these courses should be taken at the UofA (NWACC courses in parenthesis)**

**Pre-Requisite Mathematics: up to 4 hrs**

**NOTE:** These courses will typically count as general electives toward the CHEMBS 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 1213) – OR
☐ MATH 1284 – Precalculus (MATH 1285)

*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.

**Mathematics: 12 hours**
- [ ] MATH 2554 – Calculus I (MATH 2554; 2525; 2555)
- [ ] MATH 2564 – Calculus II (MATH 2564; 2565)
- [ ] MATH 2574 – Calculus III (MATH 2573; 2574)

**Physics: 8 hours**
- [ ] PHYS 2054 – University Physics I (PHYS 2054)
- [ ] PHYS 2074 – University Physics II (PHYS 2074)

**Chemistry: 45 hours**
- [ ] CHEM 1103/1101L – College Chem I (CHEM 1104)
- [ ] CHEM 1123/1121L – College Chem II (CHEM 1124)

**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 2303/2302L – 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

**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.

**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 (fr/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/academicregulations/transferofcredit/](http://catalog.uark.edu/undergraduatecatalog/academicregulations/transferofcredit/)

**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.**