**MAJOR REQUIREMENTS for a BACHELOR OF ARTS in CHEMISTRY**

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**J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES**

**Catalog year: 2022**

**MINIMUM DEGREE CREDIT HOURS REQUIRED TO GRADUATE = 120 (CORE + MAJOR + GENERAL ELECTIVES)**

**CHEMISTRY CORE (5 courses • 20-22 hours)**
- CHEM 1203/1201L Chemistry for Majors I
- CHEM 1223/1221L Chemistry for Majors II (or)
- CHEM 1103/1101L University Chemistry I
- CHEM 1123/1121L University Chemistry II
- CHEM 2263/2261L Analytical Chemistry
- CHEM 3453/3451L Elements of Physical Chemistry (fall only)
  (pre-requisite: CHEM 2263/2261L)
- CHEM 3504 Physical Chemistry I (fall only)
  (pre-requisite: CHEM 2263/2261L & PHYS 2074)
- CHEM 3514/3512L Physical Chemistry II (spring only)
  (pre or co-requisite: MATH 2564)

**CHEMISTRY ELECTIVES numbered 3000 or higher (2 courses • 6 hours)**
- CHEM _____________
- CHEM _____________

**CHEMISTRY WRITING REQUIREMENT**
- Satisfied by the formal research/analytical reports required in Physical Chemistry Laboratory—CHEM 3451L or CHEM 3512L (or)
  by completing an honors thesis.

**WORLD LANGUAGE up to the Intermediate I (2003) level or higher (hours vary)**
- _____________ (2003)

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**SELECT ONE OPTION (A or B) FROM BELOW:**

**OPTION A (4 courses • 15-16 hours)**
- MATH 2043 Survey of Calculus
  (or)
- MATH 2554 Calculus I
- PHYS 2013/2011L College Physics I
- PHYS 2033/2031L College Physics II
- CHEM 3453/3451L Elements of Physical Chemistry (fall only)
  (pre-requisite: CHEM 2263/2261L)

**OPTION B (5 courses • 22 hours)**
- MATH 2564 Calculus II
- PHYS 2054 University Physics I
- PHYS 2074 University Physics II
- CHEM 3504 Physical Chemistry I (fall only)
  (pre-requisite: CHEM 2263/2261L & PHYS 2074)
- CHEM 3514/3512L Physical Chemistry II (spring only)
  (pre or co-requisite: MATH 2564)

**Note:** These mathematics and physics prerequisite requirements are substantial, and these courses and their prerequisites should be scheduled early in the student’s program.

**Note:** Anytime a "for majors" course option is completed, it will suffice to complete the "not for majors" pre-requisite listed above.

Please visit catalog.uark.edu for an extensive list of graduation and prerequisite requirements.