**NATURAL SCIENCES & MATHEMATICS**
(20 hours minimum, including at least one MATH course)
- Honors hours must come from at least two groups
- Minimum honors hours: 16

**Physics & Astronomy**
PHYS 2054 or 2054H University Physics I
PHYS 2074 or 2074H University Physics II

**Biology & Anthropology**
ANTH 1013/1011L or 1013H/1011M Biological Anthropology
BIOL 1564 or 1564H University Biology
BIOL 1584 Biology for Majors
BIOL 1603/1601L or 1603H/1601M Principles of Zoology
BIOL 1613/1611L or 1613H/1611M Plant Biology
BIOL 2031/2011L or 2031H/2011M General Microbiology

**Chemistry**
CHEM 1103/1101L University Chemistry I
CHEM 1123/1121L or 1123H/1121M University Chemistry II
CHEM 1213/1211L Chemistry for Majors I
CHEM 2223/2221L Chemistry for Majors II
CHEM 3603/3601L or CHEM 3603H/3602M Organic Chemistry I
CHEM 3613/3611L or CHEM 3613H/3612M Organic Chemistry II
CHEM 3703/3702L Organic Chemistry for Majors I
CHEM 3713/3712L Organic Chemistry for Majors II

Students who complete University Chemistry I followed by Honors University Chemistry II will receive eight hours of honors science credit. Chemistry I & II for Majors Organic I & II for Majors and Biology for Majors also count as honors science credit.

**Geology**
GEOS 1113/1111L or 1113H/1111M General Geology
GEOS 1133/1131L Environmental Geology

**Mathematics**
MATH 2554C or 2554H Calculus I
MATH 2564C or 2564H Calculus II
MATH 2574C or 2574H Calculus III

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**HUMANITIES & SOCIAL SCIENCES**
(5-6 courses • 18 hours)
- Minimum honors hours: 9

**Social Sciences (1 course • 3 hours)**
ANTH 1023 or 1023H Intro to Cultural Anthropology
ECON 2013 or 2013H Principles of Microeconomics
ECON 2023 or 2023H Principles of Macroeconomics
ECON 2143 or 2143H Basic Economics
GEOS 2003 or 2003H World Regional Geography
PSYC 2003 or 2003H General Psychology
SOCI 2013 or 2013H General Sociology

**—SELECT ONE OPTION FROM THE TWO BELOW—**

**OPTION 1 (5 courses • 15 hours) World Civilization (select both)**
HIST 1113 or 1113H Inst. and Ideas of World Civ. I
HIST 1123 or 1123H Inst. and Ideas of World Civ. II

**Fine Arts (select one)**
ARCH 1003 or 1003H Architecture Lecture
ARCH 1003 or 1003H Art Lecture
COMM 1003 or 1003H Film Lecture
DANC 1003 or 1003H Movement and Dance
MLIT 1003 or 1003H Music Lecture
MLIT 1013 or 1013H Music Lecture for Music Majors
THTR 1003 or 1003H Theatre Appreciation
THTR 1013 Musical Theatre

**Select two courses from the six below:**
WLIT 1113 or 1113H World Literature I
WLIT 1123 or 1123H World Literature II
Any other WLIT or a world language literature course
CLST 1003 or 1003H Intro to Classical Studies: Greece
CLST 1013 or 1013H Intro to Classical Studies: Rome
PHIL 2003 or 2003H Intro to Philosophy

**OPTION 2 (4 courses • 15 hours)**
Honors Humanities Project (H2P)
HUMAN 1114H Roots of Culture to 500 C.E.
HUMAN 1124H Equilibrium of Cultures, 500-1600
HUMAN 2114H Birth of Modern Culture, 1600-1900
One course from the Fine Arts section above

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**COLOQUIA & OTHER REQUIREMENTS**
(hours vary based on exemptions & language placement)

**UNIV 1001: University Perspectives** (freshmen must complete during first year)

**English Composition (2 courses • 6 hours)**
ENGL 1013 Composition I
ENGL 1023 Composition II

**U.S. History or Government (1 course • 3 hours)**
HIST 2003 History of the American People to 1877
HIST 2013 History of the American People 1877 to Present
PLSC 2003 or 2003H American Nat’l Government

**World language up to the Intermediate I (2003) level or higher (hours vary)**

**Honors Colloquia (3 courses • 9 hours)**
Honors Humanities
Social Science
Natural Science or Mathematics
MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE in CHEMISTRY (BIOCHEMISTRY)

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

J. WILLIAM Fulbright College of Arts and Sciences

Catalog year: 2016

Fulbright College Advising Center
518 MAIN
479.575.3307
fulbrightadvising.uark.edu

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

Department of Chemistry and Biochemistry
101 CHEM
479.575.4601
chemistry.uark.edu

CHEMISTRY (38 hours minimum)
- CHEM 1213/1211L Chemistry for Majors I
- CHEM 1223/1221L Chemistry for Majors II
- CHEM 1103/1101L University Chemistry I
- CHEM 1123/1121L University Chemistry II
- CHEM 2263/2261L Analytical Chemistry
- CHEM 3703/3702L Organic Chemistry for Majors I
- CHEM 3713/3712L Organic Chemistry for Majors II
- CHEM 3453/3451L Elements of Physical Chemistry
- CHEM 3504 Physical Chemistry I
- CHEM 3514/3512L Physical Chemistry II
- CHEM 4813H Honors Biochemistry I (same as CHEM 5813)
- CHEM 4843H Honors Biochemistry II (same as CHEM 5843)
- CHEM 3813 Introduction to Biochemistry
- CHEM 4723 Experimental Methods in Organic Chemistry
- CHEM 4213/4211L Instrumental Analysis
- CHEM 4123 Advanced Inorganic Chemistry I
- CHEM 4853 Biochemical Techniques
- Completion of a senior thesis based on independent research wherein at least one credit hour is earned in CHEM 400V (chemistry research) and/or CHEM 498V (senior thesis) during each of three different semesters.

MATHEMATICS (2 courses • 8 hours)
- MATH 2554 Calculus I
- MATH 2564 Calculus II

PHYSICS (2 courses • 8 hours)
- PHYS 2013/2011L College Physics I
- PHYS 2033/2031L College Physics II
- PHYS 2054 University Physics I
- PHYS 2074 University Physics II

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

BIOLOGY (4 courses • 15 hours)
- BIOL 1543/1541L Principles of Biology
- BIOL 2013/2011L General Microbiology
- BIOL 2533/2531L Cell Biology
- BIOL 2323 General Genetics
- BIOL 4233 Genomics and Bioinformatics

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.

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