NATURAL SCIENCES & MATHEMATICS  
(20 hours minimum, including at least one MATH course)  
- Honors hours must come 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 1542/1541L or 1542H/1541M Principles of Biology  
BIOL 1584 Biology for Majors  
BIOL 1603/1601L or 1603H/1601M Principles of Zoology  
BIOL 1613/1611L or 1613H/1611M Plant Biology  
BIOL 2013/2011L or 2013H/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 1223/1221L 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  

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 Macroeconomics  
ECON 2023 or 2023H Principles of Microeconomics  
ECON 2143 or 2143H Basic Economics  
GEOS 2003 or 2003H World Regional Geography  
PSYC 2003 or 2003H General Psychology  
SOCI 2023 or 2023H 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  
ARHS 1003 or 1003H Art Lecture  
COMM 1003 or 1003H Film Lecture  
DANC 1003 or 1003H Movement and Dance  
MILT 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)  
HUMN 1114H Roots of Culture to 500 C.E.  
HUMN 1124H Equilibrium of Cultures, 500-1600  
HUMN 2114H Birth of Modern Culture, 1600-1900  
One course from the Fine Arts section above  

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)  
Humanities  
Social Science  
Natural Science or Mathematics
MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE in CHEMISTRY (BIOPHYSICAL)

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 (43 hours minimum)

- CHEM 1213/1211L 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 3603/3601L Organic Chemistry I
- CHEM 3613/3612L Organic Chemistry II
  or
- CHEM 3703/3702L Organic Chemistry for Majors I
- CHEM 3713/3712L Organic Chemistry for Majors II

- CHEM 3504 Physical Chemistry I
- CHEM 3514/3512L Physical Chemistry II

- CHEM 4813H Honors Biochemistry I
- CHEM 4843H Honors Biochemistry II
  or
- CHEM 3813 Introduction to Biochemistry
- CHEM 4723 Experimental Methods in Organic Chemistry

- CHEM 4213/4211L Instrumental Analysis
- CHEM 4853 Biochemical Techniques
  or
- 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 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 (3 courses • 11 hours)

- BIOL 1543/1541L Principles of Biology
- BIOL 2533/2531L Cell Biology

Select any BIOL lecture course numbered 3000 or higher:

- BIOL ____________

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.