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 Biol. Anthropology  
- BIOL 1003/1001L Environmental Science  
- OR ENSC 1003(H)/1001L (M) Environmental Science  
- BIOL 1543/1541L or 1543/1541M Principles of Biology  
- BIOL 1584 Biology for Majors  
- BIOL 1603/1601L or 1603/1601M Principles of Zoology  
- BIOL 1613/1611L or 1613/1611M Plant Biology  
- BIOL 2013/2011L or 2013/2011M General Microbiology

Chemistry  
- CHEM 1103/1101L University Chemistry I*  
- CHEM 1123/1121L or 1123H/1121M University Chemistry II  
- CHEM 1203/1201L 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*  
- PHYS 2023/2021L or 2023H/2021M Physics & Human Affairs

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

Mathematics  
- MATH 254C or 2554H Calculus I  
- MATH 2564C or 2564H Calculus II  
- MATH 2574C or 2574H Calculus III

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

Social Sciences (1 courses • 3 hours)  
- ANTH 1023 or 1023H Intro to Cultural Anthropology  
- COMM 1023 or 1023H Communication in a Diverse World  
- 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 2013 or 2013H General Sociology

World Civilization (2 courses • 6 hours)  
- HIST 1113 or 1113H Inst. and Ideas of World Civ. I  
- HIST 1123 or 1123H Inst. and Ideas of World Civ. II

Fine Arts & Humanities (3 courses – 9 hours)  
Select one course from Fine Arts & Humanities sections, then select a third course from either section.

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  
- ENGL 2023 Creative Writing I  
- MLIT 1003 or 1003H Experiencing Music  
- MLIT 1013 or 1013H Music & Society  
- MLIT 1333 Popular Music  
- THTR 1003 or 1003H Theatre Appreciation  
- THTR 1013 Musical Theatre Appreciation  
- THTR 1223 Introduction to Theatre**

Humanities (select one)  
- AAST 2023 The African American Experience  
- CLST 1003 or 1003H Intro to Classical Studies: Greece  
- CLST 1013 or 1013H Intro to Classical Studies: Rome  
- GNST 2003 or 2003H Intro to Gender Studies  
- COMM 1233 or 1233H Media, Community, & Citizenship  
- MUSY 2003 or 2003H Music in World Cultures  
- WLIT 1123 or 1123H World Literature II  
- Any other 2000+WLIT or World Language literature course

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

- UNIV 1001H: 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 Pres
- PLSC 2003 or 2003H American Nat'l Government

World language through the Intermediate I (2003 level or higher (hours vary)  
- ______________________(2003)

Honors Colloquia (3 courses • 9 hours)  
One from each approved area. No more than three (3) hours of required colloquia may be earned either abroad or in an intersession.

- Humanities  
- Social Science  
- Natural Science or Mathematics

* 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 Chemistry I & II for Majors, and BIOL 1584 also count as honors science credit.

** Students who complete THTR 1223, Introduction to Theatre, will receive 3 hours of honors 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

### Physics & Astronomy
- PHYS 1054 or 1054H University Physics I
- PHYS 2074 or 2074H University Physics II

### Biology & Anthropology
- BIOL 1003/1001L or 1013H/1011M Biology
- BIOL 2003/2001L or 2013H/2011M Anthropology
- BIOL 1543/1541L or 1543H/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 1203/1201L 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
- PHYS 1023/1021L or 1023H/1021M Physics & Human Affairs

### HUMANITIES & SOCIAL SCIENCES (5 courses • 18 hours) – Minimum honors hours: 9

#### Social Sciences (1 courses • 3 hours)
- ANTH 1023 or 1023H Intro to Cultural Anthropology
- COMM 1023 or 1023H Communication in a Diverse World
- 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 3003 or 3003H General Psychology
- SOCI 2013 or 2013H General Sociology

#### Humanities (3 courses – 12 hours)
- HUMN 1114H Roots of Culture to 500 C.E.
- HUMN 1124H Equilibrium of Cultures, 500-1600
- HUMN 2114H Birth of Modern Culture, 1600-1900

#### Fine Arts (1 course – 3 hours)
- 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
- ENGL 2023 Creative Writing I
- MLIT 1003 or 1003H Experiencing Music
- MLIT 1013 or 1013H Music & Society
- MLIT 1333 Popular Music
- THTR 1003 or 1003H Theatre Appreciation
- THTR 1013 Musical Theatre Appreciation
- THTR 1223 Introduction to Theatre**

#### World language through the Intermediate I (2003) level or higher (hours vary)
- **________(2003)**

### COLLOQUIA & OTHER REQUIREMENTS

- **UNIV 1001H**: 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 Pres.
  - PLSC 2003 or 2003H American Nat’l Government

### Honors Colloquia (3 courses • 9 hours)
One from each approved area. No more than three (3) hours of required colloquia may be earned either abroad or in an intersession.
- Humanities
- Social Science
- Natural Science or Mathematics

* Students who complete University Chemistry I by Honors University Chemistry II will receive eight hours of honors science credit.
* Chemistry I & II for Majors, Organic Chemistry I & II for Majors, and BIOL 1584 also count as honors science credit.
** Students who complete THTR 1223, Introduction to Theatre, will receive three hours of honors credit.
MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE in CHEMISTRY

J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

Catalog year: 2018

Fulbright College Advising Center
CHPN 322
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 (11 courses • 45 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 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 Chemistry

Select any CHEM lecture course numbered 3000 or higher:

- CHEM _______________

Note: This program meets the minimum requirements for certification by the American Chemical Society if CHEM 3813 Intro to Biochemistry or CHEM 4813H/4843H Honors Biochemistry I/II is included.

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.

MATHEMATICS (3 courses • 12 hours)

- MATH 2554 Calculus I
- MATH 2564 Calculus II
- MATH 2574 Calculus III

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.

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