### MATHEMATICS (1 course – 3-4 hours)
- MATH 1203 College Algebra
- MATH 1204 College Algebra with Review
- MATH 1313 Quantitative Reasoning
- Any higher level Math course

### NATURAL SCIENCES (2 courses w/matching labs – 8 hours)
- ANTH 1013/1011L Intro to Biological Anthropology
- ASTR 2003/2001L Survey of the Universe
- BIOL 1524 Biological Principles
- BIOL 1543/1541L Principles of Biology
- BIOL 1584 Biology for Majors
- BIOL 1603/1601L Principles of Zoology
- BIOL 1613/1611L Plant Biology
- BIOL 2213/2211L Human Physiology
- CHEM 2443/2441L Human Anatomy
- CHEM 1053/1051L Chemistry in the Modern World
- CHEM 1073/1071L Fundamentals of Chemistry
- CHEM 1103/1101L University Chemistry I
- CHEM 1123/1121L University Chemistry II
- CHEM 1113/1111L University Chemistry for Engineers I
- CHEM 1133/1131L University Chemistry for Engineers II
- CHEM 1213/1211L Chemistry for Majors I
- CHEM 1223/1221L Chemistry for Majors II
- ENSC 1003/1001L Environmental Science
- ENTO 1023/1021L Insects, Science, & Society
- GEOG 1113/1111L General Geology
- GEOG 1133/1131L Earth Science
- PHYS 1023/1021L Physics & Human Affairs
- PHYS 1034 Physics for Elementary Ed Majors
- PHYS 1044 Physics for Architects I
- PHYS 1054 Physics for Architects II
- PHYS 2013/2011L College Physics I
- PHYS 2033/2031L College Physics II
- PHYS 2054 University Physics I
- PHYS 2074 University Physics II

### FINE ARTS (1 course – 3 hours)
- ARCH 1003 Architecture Lecture
- ARHS 1003 Art Lecture
- COMM 1003 Film Lecture
- DANC 1003 Movement and Dance
- ENGL 2023 Creative Writing I
- ECON 1103 The American Landscape
- MLIT 1003 Music Lecture
- MLIT 1013 Music Lecture for Music Majors
- THTR 1003 Theatre Appreciation
- THTR 1013 Musical Theatre Appreciation

### SOCIAL SCIENCES (3 courses from at least 2 fields – 9 hours)
- AGEC 1103 Principles of Agriculture Microeconomics
- AGEC 2103 Principles of Agriculture Macroeconomics
- ANTH 1023 Intro to Cultural Anthropology
- COMM 1023 Communication in a Diverse World
- ECON 2013 Principles of Macroeconomics
- ECON 2023 Principles of Microeconomics
- ECON 2143 Basic Economics: Theory and Practice
- GEOG 1123 Human Geography
- GEOG 2003 World Regional Geography
- HESC 1403 Life Span Development
- HESC 2413 Family Relations
- HESC 2603 Rural Sociology
- HIST 1113 Institutions and Ideas of World Civilizations I
- HIST 1123 Institutions and Ideas of World Civilizations II
- HIST 2003 History of the American People to 1877
- HIST 2013 History of the American People 1877 to Present
- HUMN 1114H* Honors Roots of Culture to 1600
- HUMN 2114H* Honors Birth of Modern Culture, 1600–1900
- PLSC 2003 American National Government
- PLSC 2013 Intro to Comparative Politics
- PLSC 2203 State and Local Government
- PSYC 3003 General Psychology
- RESM 2853 Leisure and Society
- SOCI 2013 General Sociology
- SOCI 2033 Social Problems

### UNIV 1001 University Perspectives
(Freshmen must complete during first year)

### ENGLISH COMPOSITION (2 course – 6 hours)
- ENGL 1013 Composition I
- ENGL 1023 Composition II

### U.S. HISTORY & 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 American National Government

*Note:* U.S. History & Government courses cannot be used more than once within the University Core.

### HUMANITIES (1 course – 3 hours)
- AAST 2023 The African American Experience
- ARCH 1013 Diversity and Design
- CLST 1003 Intro to Classical Studies: Greece
- CLST 1013 Intro to Classical Studies: Rome
- COMM 1233 Media, Community, and Citizenship
- ENGL 1213 Intro to Literature
- GNST 2003 Intro to Gender Studies
- HUMN 1124H* Honors Eq. of Cultures, 500–1600
- HUMN 2124H* Honors 20th Century Global Culture
- MUSY 2003 Music in World Cultures
- PHIL 2003 Intro to Philosophy
- PHIL 2103 Intro to Ethics
- PHIL 2203 Logic
- PHIL 3103 Ethics and the Professions
- WLIT 1113 World Literature I
- WLIT 1123 World Literature II
- World Language at the Intermediate I (2003) level

*Honors students only.

Please visit catalog.uark.edu for an extensive list of graduation and prerequisite requirements.
MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE in CHEMISTRY (BIOCHEMISTRY)

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

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

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
  or
- 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
  or
- BIOL 2323 General Genetics
  or
- 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.

CHEMISTRY (38 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
  or
- CHEM 4813H Honors Biochemistry I (same as CHEM 5813)
- CHEM 4843H Honors Biochemistry II (same as CHEM 5843)
  or
- CHEM 3453/3451L Elements of Physical Chemistry
  or
- CHEM 3504 Physical Chemistry I
- CHEM 3514/3512L Physical Chemistry II
  or
- CHEM 4813H Honors Biochemistry I (same as CHEM 5813)
- CHEM 4843H Honors Biochemistry II (same as CHEM 5843)
  or
- CHEM 3813 Introduction to Biochemistry
- CHEM 4723 Experimental Methods in Organic Chemistry
  or
- CHEM 4213/4211L Instrumental Analysis
  or
- CHEM 4123 Advanced Inorganic Chemistry I

- CHEM 3813 Introduction to Biochemistry
  or
- CHEM 4723 Experimental Methods in Organic Chemistry
  or
- CHEM 4213/4211L Instrumental Analysis
  or
- CHEM 4123 Advanced Inorganic Chemistry I

- 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.