

J. William Fulbright College of Arts and Sciences
UNIVERSITY CORE REQUIREMENTS
 MINIMUM CREDIT HOURS REQUIRED TO GRADUATE = 120
 CORE + MAJOR + GENERAL ELECTIVES

Fulbright College Advising Center | CHPN 322 | (479)575-3307 | fulbrightadvising.uark.edu | fcacfy@uark.edu

MATHEMATICS (1 course – 3-4 hours)

- MATH 1203 College Algebra
- MATH 1313 Quantitative Reasoning
- Any higher level Math course (including STAT 2303)

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
- BIOL 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 1203/1201L Chemistry for Majors I
- CHEM 1223/1221L Chemistry for Majors II
- ENSC/BIOL 1003/1001L Environmental Science
- ENTO 1023/1021L Insects, Science, & Society
- GEOS 1113/1111L General Geology
- GEOS 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
- HUMN 2114H* Honors Birth of Modern Culture 1600-1900
- LARC 1003 The American Landscape
- MLIT 1003 Experiencing Music
- MLIT 1013 Music and Society
- MLIT 1333 Popular Music
- THTR 1003 Theatre Appreciation
- THTR 1013 Musical Theatre Appreciation

SOCIAL SCIENCES (3 courses from at least 2 fields – 9 hours)

- AGECE 1103 Principles of Agriculture Microeconomics
- AGECE 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
- GEOS 1123 Human Geography
- GEOS 2003 World Regional Geography
- HDFS 1403 Life Span Development
- HDFS 2413 Family Relations
- HDFS 2603 Rural Families & Communities
- 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 500 C.E.
- 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 2003 General Psychology
- RESM 2853 Leisure and Society
- SOCI 2013 General Sociology
- SOCI 2033 Social Problems

 UNIV 1001 University Perspectives

(Or equivalent course from another University of Arkansas college)

ENGLISH COMPOSITION (2 courses – 6 hours)

- ENGL 1013 Composition I
- ENGL 1023/1033 Composition II/Technical 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
- MRST 2013 Intro to Medieval & Renaissance Studies
- 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)

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
-
- 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 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 3703/3702L Organic Chemistry for Majors I
 - CHEM 3713/3712L Organic Chemistry for Majors II
-
- CHEM 3453/3451L Elements of Physical Chemistry
- or
- CHEM 3504 Physical Chemistry I (*fall only*)
(*pre-requisite: CHEM 2263 & PHYS 2074; pre or co-requisite: MATH 2564*)
 - CHEM 3514/3512L Physical Chemistry II
-
- CHEM 4813H Honors Biochemistry I (same as CHEM 5813)
 - CHEM 4843H Honors Biochemistry II (same as CHEM 5843)
- or
- CHEM 3813 Introduction to Biochemistry
(*pre-requisite: CHEM 3613/3611L*)
 - CHEM 4723 Experimental Methods in Organic Chemistry (*fall only*)
(*pre-requisite: CHEM 3613/3611L*)
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- CHEM 4213/4211L Instrumental Analysis (*spring only*)
(*pre-requisite: CHEM 2263/2261L & CHEM 3613/3611L*)
- or
- CHEM 4123 Advanced Inorganic Chemistry I (*fall only*)
(*pre-requisite: CHEM 3453*)
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- CHEM 4853 Biochemical Techniques (*spring only*)
(*pre-requisite: CHEM 3813 or CHEM 4843H*)
- 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.

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