Catalog year: 2015

J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

COLLEGE SCHOLARS CORE REQUIREMENTS for a BACHELOR OF SCIENCE

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

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 1543/1541L or 1543/1541M Principles of Biology
- 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 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

Note: Students who complete University Chemistry I followed by Honors University Chemistry II will receive eight hours of honors science credit. Chemistry for Majors I & II and Organic for Majors I & II 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
- GEOS 2003 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 1-2 courses)
- 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
- MLIT 1003 or 1003H Music Lecture
- MLIT 1013 or 1013H Music Lecture for Music Majors
- THTR 1003 or 1003H Theatre Appreciation

Humanities (select 1-2 courses)
- 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

COLLOQUIA & OTHER REQUIREMENTS
(hours vary based on exemptions & 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)
- ____________________ (2003)

Honors Colloquia (3 courses • 9 hours)
- Humanities or HUMN 2124H Honors 20th Century Global Culture
- Social Science
- Natural Science or Mathematics

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

Fulbright College Honors Program
517 MAIN
479.575.2509
fulbrighthonors.uark.edu
Catalog year: 2015

J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE in CHEMISTRY (BIOCHEMISTRY)

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

<table>
<thead>
<tr>
<th>MATHEMATICS (2 courses • 8 hours)</th>
<th>CHEMISTRY (38 hours minimum)</th>
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<tbody>
<tr>
<td>MATH 2554 Calculus I</td>
<td>CHEM 1213/1211L Chemistry for Majors I</td>
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<tr>
<td>MATH 2564 Calculus II</td>
<td>CHEM 1223/1211L Chemistry for Majors II</td>
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<tr>
<td></td>
<td>or CHEM 1103/1101L University Chemistry I</td>
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<tr>
<td></td>
<td>or CHEM 1123/1121L University Chemistry II</td>
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<tr>
<td></td>
<td>or CHEM 2263/2261L Analytical Chemistry</td>
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<td></td>
<td>or CHEM 3703/3702L Organic Chemistry for Majors I</td>
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<td>or CHEM 3713/3712L Organic Chemistry for Majors II</td>
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<table>
<thead>
<tr>
<th>PHYSICS (2 courses • 8 hours)</th>
<th>CHEM 3453/3451L Elements of Physical Chemistry</th>
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<tbody>
<tr>
<td>PHYS 2013/2011L College Physics I</td>
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<tr>
<td>PHYS 2033/2031L College Physics II</td>
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<tr>
<td>or PHYS 2054 University Physics I</td>
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<td>or PHYS 2074 University Physics II</td>
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<tr>
<td>or CHEM 3453/3451L Elements of Physical Chemistry</td>
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<tr>
<th>BIOLOGY (4 courses • 15 hours)</th>
<th>CHEM 3504 Physical Chemistry I</th>
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<tbody>
<tr>
<td>BIOL 1543/1541L Principles of Biology</td>
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<tr>
<td>BIOL 2013/2011L General Microbiology</td>
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<td>BIOL 2533/2531L Cell Biology</td>
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<td>BIOL 2323 General Genetics</td>
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<td>BIOL 4233 Genomics and Bioinformatics</td>
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<td>or BIOL 4233 Genomics and Bioinformatics</td>
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<tr>
<td>or CHEM 3504 Physical Chemistry I</td>
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<tr>
<td>or CHEM 3514/3512L Physical Chemistry II</td>
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<tr>
<td>or CHEM 4813H Honors Biochemistry I (same as CHEM 5813)</td>
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<tr>
<td>or CHEM 4843H Honors Biochemistry II (same as CHEM 5843)</td>
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<tr>
<td>or CHEM 3813 Introduction to Biochemistry</td>
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<td>or CHEM 4723 Experimental Methods in Organic Chemistry</td>
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<tr>
<td>or CHEM 4213/4211L Instrumental Analysis</td>
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<tr>
<td>or CHEM 4123 Advanced Inorganic Chemistry I</td>
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<td>or CHEM 4853 Biochemical Techniques</td>
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<td>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.</td>
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Note: These mathematics and physics prerequisite requirements are substantial, and these courses and their prerequisites should be scheduled early in the student’s program.