### NATURAL SCIENCES & MATHEMATICS

**4 courses • 15-16 hours**

- Choose at least one course from each group below
- Minimum honors hours: 8

#### Biological Sciences
- [ ] ANTH 1013/1011L or 1013H/1011M Biol. 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

#### Physical Sciences
- [ ] ASTR 2003/2001L or 2003H/2001M Survey of the Universe
- [ ] 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*
- [ ] GEOS 1113/1111L or 1113H/1111M General Geology
- [ ] GEOS 1133/1131L Earth Science
- [ ] PHYS 1023/1021L or 1023H/1021M Physics & Human Affairs
- [ ] PHYS 2054 or 2054H University Physics I
- [ ] PHYS 2074 or 2074H University Physics II

#### Mathematics
- [ ] MATH 2033 Mathematical Thought
- [ ] MATH 2043C Survey of Calculus
- [ ] MATH 2053C Finite Mathematics
- [ ] MATH 2183 Mathematical Reasoning
- [ ] MATH 2554C or 2554H Calculus I
- [ ] MATH 2564C or 2564H Calculus II
- [ ] MATH 2574C or 2574H Calculus III
- [ ] STAT 2303 Principles of Statistics

### HUMANITIES & SOCIAL SCIENCES

**9 courses • 27 hours**

- Minimum honors hours: 15

#### Social Sciences (2 courses • 6 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

#### Philosophy (1 course • 3 hours)
- [ ] PHIL 2003 or 2003H Intro to Philosophy

#### Fine Arts (2 courses • 6 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 (Music Majors Only)
- [ ] MLIT 1333 Popular Music
- [ ] THTR 1003 or 1003H Theatre Appreciation
- [ ] THTR 1013 Musical Theatre Appreciation

#### World Civ./World Lit. (4 courses • 12 hours)
- [ ] HIST 1113 or 1113H Inst. and Ideas of World Civ. I
- [ ] WLIT 1113 or 1113H World Literature I
- [ ] HIST 1123 or 1123H Inst. and Ideas of World Civ. II
- [ ] WLIT 1123 or 1123H World Literature II

Select one additional Humanities course from the four below:
- [ ] AAST 2023 The African American Experience
- [ ] CLST 1003 or 1003H Intro to Classical Studies: Greece
- [ ] CLST 1013 or 1013H Intro to Classical Studies: Rome
- [ ] COMM 1233 or 1233H Media, Community, & Citizenship
- [ ] GNST 2003 or 2003H Intro to Gender Studies
- [ ] 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
  (Or equivalent course from another University of Arkansas College)

#### 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 2023 History of the American People 1877 to Pres.
- [ ] PLSC 2003 or 2003H American Nat'l Government

#### World language through the Intermediate II (2013) level or higher (hours vary)

- [ ] ___________ (2013)

#### 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. An approved list of Honors Colloquia can be found on the Fulbright Honors website.

- [ ] 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 and BIOL 1584 also count as honors science credit.
**NATURAL SCIENCES & MATHEMATICS**
(4 courses • 15-16 hours)
- Choose at least one course from each group below
- Minimum honors hours: 8

**Biological Sciences**
- ANTH 1013/1011L or 1013H/1011M Anthropology
- 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

**Physical Sciences**
- 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*
- GEOS 1113/1111L or 1113H/1111M General Geology
- GEOS 1133/1131L Earth Science
- PHYS 1023/1021L or 1023H/1021M Physics & Human Affairs
- PHYS 2054 or 2054H University Physics I
- PHYS 2074 or 2074H University Physics II

**Mathematics**
- MATH 2033 Mathematical Thought
- MATH 2043C Survey of Calculus
- MATH 2053C Finite Mathematics
- MATH 2183 Mathematical Reasoning
- MATH 2554C or 2554H Calculus I
- MATH 2564C or 2564H Calculus II
- MATH 2574C or 2574H Calculus III
- STAT 2303 Principles of Statistics

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**HUMANITIES & SOCIAL SCIENCES**
(8 courses • 27 hours)
- Minimum honors hours: 15

**Social Sciences (2 courses • 6 hours)**
- ANTH 1023 or 1023H Intro to Cultural Anthropology
- COMM 1023 or 1023H Comm. 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

**Philosophy (1 course • 3 hours)**
- PHIL 2003 or 2003H Intro to Philosophy

**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 (Music Majors Only)
- MLIT 1333 Popular Music
- THTR 1003 or 1003H Theatre Appreciation
- THTR 1013 Musical Theatre Appreciation

**Honors Humanities Project (H2P)**
(4 courses • 15 hours)
- HUMN 1114H Roots of Culture to 500 C.E.
- HUMN 1124H Equilibrium of Cultures, 500-600
- HUMN 2114H Birth of Modern Culture, 1600-1900

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

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**COLLOQUIA & OTHER REQUIREMENTS**
(hours vary based on exemptions & language placement)
- UNIV 1001H: University Perspectives
  (Or equivalent course from another University of Arkansas College)

**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 II (2013) level or higher (hours vary)**
- ______________________ (2013)

**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. An approved list of Honors Colloquia can be found on the Fulbright Honors website.
- 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 and BIOL 1584 also count as honors science credit.
MAJOR REQUIREMENTS for a BACHELOR OF ARTS in CHEMISTRY (BIOCHEMISTRY)

J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

Catalog year: 2019

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.

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

WORLD LANGUAGE up to the Intermediate I (2003) level or higher (hours vary)

☐ ________________ (2003)

MATHEMATICS (1 course • 3-4 hours)

☐ MATH 2043 Survey of Calculus
or
☐ MATH 2554 Calculus I

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 • 11 hours minimum with at least 3 hours numbered 3000 or higher)

☐ BIOL ________________

CHEMISTRY (33 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
or

☐ CHEM 3603/3601L Organic Chemistry I
☐ CHEM 3613/3611L Organic Chemistry II

☐ CHEM 3453/3451L Elements of Physical Chemistry (fall only)
  (pre-requisite: CHEM 2263/2261L)

or

☐ CHEM 3504 Physical Chemistry I (fall only)
  (pre or co-requisite: MATH 2564; pre-requisite: CHEM 2263/2261L & PHYS 2074)

☐ CHEM 3514/3512L Physical Chemistry II (spring only)
  (pre-requisite: CHEM 3504)

☐ CHEM 4813H Honors Biochemistry I
☐ CHEM 4843H Honors Biochemistry II
or

☐ CHEM 3813 Intro to Biochemistry
☐ CHEM 4213/4211L Instrumental Analysis (spring only)
  (pre-requisite: CHEM 2263/2261L & CHEM 3613/3611L)

or

☐ CHEM 3813 Intro to Biochemistry
☐ CHEM 4123 Advanced Inorganic Chemistry I (fall only)
  (pre-requisite: CHEM 3453)

or

☐ CHEM 3813 Intro to Biochemistry
☐ CHEM 4723 Experimental Methods in Organic Chemistry (fall only)
  (pre-requisite: CHEM 3613/3611L)

☐ CHEM 4853 Biochemical Techniques (spring only)
  (pre or co-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.