



Fulbright College Advising Center  
CHPN 322  
479.575.3307  
fulbrightadvising.uark.edu

**J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES**  
**COLLEGE SCHOLARS CORE REQUIREMENTS FOR A BACHELOR OF SCIENCE**

Fulbright College Honors Program  
517 MAIN  
479.575.2509  
fulbrighthonors.uark.edu

Minimum degree credit hours required to graduate = 120 (Core + Major + General Electives)

**Option 1**

**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**

- ASTR 2003/2001L **or** 2003H/2001M Survey of the Universe
- 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** 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 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 1023/1021L **or** 1023H/1021M Physics & Human Affairs

**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**

(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.



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**HUMANITIES & SOCIAL SCIENCES**

(5 courses • 18 hours)

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- 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

**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
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(hours vary based on exemptions & language placement)

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Catalog year: 2018

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### MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE in PHYSICS

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

Department of Physics

226 PHYS

479-575-2506

[physics.uark.edu](http://physics.uark.edu)

#### ADDITIONAL SCIENCES (2 courses – 8 hours)

- CHEM 1103/1101L University Chemistry I
- CHEM 1123/1121L University Chemistry II
- CSCE 2004 Programming Foundations I
- CSCE 2014 Programming Foundations II
- BIOL 1543/1541L Principles of Biology/Lab
- BIOL 1584 Biology for Majors
- GEOS 1113/1111L General Geology/Lab
- GEOS 1133/1131L Earth Science/Lab
- OR** an approved eight hours of laboratory-based courses from the department

#### MATHEMATICS (5 courses – 19 hours)

- MATH 2554 Calculus I
- MATH 2564 Calculus II
- MATH 2574 Calculus III
- MATH 2584 Elementary Differential Equations
- MATH 3083 Linear Algebra

**Note:** CSCE 3513, CSCE 4423, GEOS 4223 or MEEG 2703 can be substituted for MATH 3083 with a departmental advisor's approval.

#### PHYSICS CORE (7 courses – 23 hours)

- PHYS 2054 University Physics I
- PHYS 2074 University Physics II
- PHYS 2094 University Physics III
- PHYS 3414 Electromagnetic Theory
- PHYS 3613 Modern Physics
- PHYS 4073 Intro to Quantum Mechanics
- PHYS 4991 Physics Senior Seminar

**Note:** Majors must propose participation in a research experience project no later than the end of their junior year of study. A written report of the results must be submitted during PHYS 4991 Senior Seminar.

#### PHYSICS ELECTIVES (hours vary)

- ASTRONOMY (16 hours minimum)
- BIOPHYSICS (16 hours minimum)
- COMPUTATIONAL (16 hours minimum)
- ELECTRONICS (16 hours minimum)
- GEOPHYSICS (24 hours minimum)
- OPTICS (16 hours minimum)
- PROFESSIONAL (16 hours minimum)

#### PHYSICS WRITING REQUIREMENT

- Satisfied by a senior thesis (PHYS 498V), an honors thesis, or a paper submitted as a part of PHYS 4991 or any physics or astronomy course numbered 3000 or higher. Students electing the last route must obtain approval of the instructor during the first three weeks of the semester.