



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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- BIOL 1613/1611L **or** 1613/1611M Plant Biology
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- GEOS 1133/1131L Environmental Geology

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- MATH 2554C **or** 2554H Calculus I
- MATH 2564C **or** 2564H Calculus II
- MATH 2574C **or** 2574H Calculus III

HUMANITIES & SOCIAL SCIENCES

(5 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

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
- 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**

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(hours vary based on exemptions & language placement)

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English Composition (2 courses • 6 hours)

- ENGL 1013 Composition I
- ENGL 1023 Composition II

U.S. History or Government (1 course • 3 hours)

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- 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.

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- Social Science
- Natural Science **or** Mathematics

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Catalog year: 2018

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J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE IN MATHEMATICS

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

Department of Mathematics
301 SCEN
479-575-3351
math.uark.edu

NATURAL SCIENCES (2 courses – 8 hours)

Choose from one of the following natural science sequences:

- BIOL 1543/1541L Principles of Biology
- Chose one additional BIOL course:
 - BIOL 1603/1601L Principles of Zoology
 - BIOL 1613/1611L Plant Biology
 - BIOL 2103/2011L General Microbiology
- CHEM 1103/1101L University Chemistry I
- CHEM 1123/1121L University Chemistry II
- GEOS 1113/1111L General Geology
- GEOS 1133/1131L Earth Science
- PHYS 2054 University Physics I
- PHYS 2074 University Physics II

MATHEMATICS CORE (8 courses – 24 hours)

- MATH 2574 Calculus III
- MATH 2584 Elementary Differential Equations
- MATH 2803 Transition to Advance Math
- MATH 3093 Abstract Linear Algebra
- MATH 3113 Intro to Abstract Algebra
- MATH 4513 Advanced Calculus I
- MATH 4933 Mathematics Major Seminar

Note: It is recommended that MATH 2803 be taken as early as possible in the program.

COMPUTER PROGRAMMING (1 course – 4 hours)

- CSCE 2004 Programming Foundations I

ADDITIONAL REQUIREMENTS (choose one below)

- Completion of eight hours numbered 3000+ not in MATH/STAT with department approval.
- Completion of UA Teach curriculum.
- Completion of College Honors core.

MATHEMATICS WRITING REQUIREMENT

- Satisfied by a senior writing project under the direction of a faculty member (typically in MATH 4933) or by completing an honors thesis.

- Students must complete one option from the three listed below (Applied, Pure, or Statistics) -

OPTION 1: APPLIED (6 courses – 18-19 hours)

- STAT 3013 Intro to Probability and Statistics
- or
- STAT 5103 Intro to Probability Theory
- MATH 4423 Intro to Partial Differential Equations
- MATH 4353 Numerical Linear Algebra
- MATH 4363 Numerical Analysis

Two additional MATH or STAT electives numbered 3000 or higher. (Students may also take CSCE 4133)

- _____
- _____

OPTION 2: PURE (6 courses – 18 hours)

- MATH 4113 Intro to Abstract Algebra II
- or
- MATH 4523 Advanced Calculus II
- MATH 4443 Complex Variables

MATH or STAT electives numbered 3000 or higher. (Students may also take CSCE 4133 Algorithms)

- _____
- _____
- _____
- _____

OPTION 3: STATISTICS (6 courses – 19 hours)

- MATH 4353 Numerical Linear Algebra
- STAT 3013 Intro to Probability & Statistics
- or
- STAT 5103 Intro to Probability Theory
- STAT 4003/4001L Statistical Methods
- STAT 4033 Nonparametric Statistical Methods

MATH or STAT electives numbered 3000 or higher. (Students may also take CSCE 4133 Algorithms.)

- _____
- _____

Note: STAT 5103 Intro to Probability Theory and STAT 5113 Statistical Inference are strongly recommended.