### J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

#### COLLEGE SCHOLARS CORE REQUIREMENTS for a BACHELOR OF ARTS

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

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#### NATURAL SCIENCES & MATHEMATICS

(4 courses • 15-16 hours)

- Select at least three sciences and one math, with at least one course from each group
  - Minimum honors hours: **8**

**Biological Sciences**
- 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

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

**Note:** 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 also count as honors science credit.

**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

(9 courses • 27-31 hours)

- Minimum honors hours: **15**

**Social Sciences (2 courses • 6 hours)**
- ANTH 1023 or 1023H Intro to Cultural Anthropology
- ECON 2013 or 2013H Principles of Macroeconomics
- ECON 2023 or 2023H Principles of Microeconomics
- GEOG 2003 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
- MLIT 1003 or 1003H Music Lecture
- MLIT 1013 or 1013H Music Lecture for Music Majors
- THTR 1003 or 1003H Theatre Appreciation

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**—SELECT ONE OPTION FROM THE TWO BELOW—**

#### OPTION 1 - 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

Select one course from the four below:
- WLIT 1123 or 1123H World Literature II
- Any other WLIT or world language literature course
- CLST 1003 or 1003H Intro to Classical Studies: Greece
- CLST 1013 or 1013H Intro to Classical Studies: Rome

#### OPTION 2 - Honors Humanities Project (H2P) (4 courses • 16 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
- HUMN 2124H** Twentieth Century Global Culture

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#### 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 Pres.
- PLSC 2003 or 2003H American Nat’l Government

**World language up to the Intermediate II (2013) level or higher (hours vary)**
- __________________________ (2013)

**Honors Colloquia (3 courses • 9 hours)**
- Humanities**
- Social Science
- Natural Science or Mathematics

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*Waives one course from the Fine Arts section

**HUMN 2124H will also satisfy the Humanities colloquium
MAJOR REQUIREMENTS for a BACHELOR OF ARTS in CHEMISTRY (BIOCHEMISTRY)

Department of Chemistry and Biochemistry

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 ________________
- BIOL ________________
- BIOL ________________
- BIOL ________________

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 (33 hours minimum)
- CHEM 1213/1211L Chemistry for Majors I
- CHEM 1223/1211L Chemistry for Majors II
- or CHEM 1103/1101L University Chemistry I
- CHEM 1123/1121L University Chemistry II
- or CHEM 2263/2261L Analytical Chemistry
- or CHEM 3703/3702L Organic Chemistry for Majors I
- CHEM 3603/3601L Organic Chemistry I
- or CHEM 3613/3611L Organic Chemistry II
- or CHEM 3453/3451L Elements of Physical Chemistry
- or CHEM 3504 Physical Chemistry I
- or CHEM 3514/3512L Physical Chemistry II
- or CHEM 4813H Honors Biochemistry I
- or CHEM 4843H Honors Biochemistry II
- or CHEM 3813 Intro to Biochemistry
- or CHEM 4213/4211L Instrumental Analysis
- or CHEM 4123 Advanced Inorganic Chemistry I
- or CHEM 3813 Intro to Biochemistry
- or CHEM 4723 Experimental Methods in Organic Chemistry
- or CHEM 4853 Biochemical Techniques
- 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.