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
- PHYS2054 or 2054H University Physics I
- PHYS2074 or 2074H University Physics II

Biology & Anthropology
- ANTH1013/1011L or 1013H/1011M Biol. Anthropology
- BIOL1003/1001L Environmental Science
- OR ENSC1003(H)/1001L (M) Environmental Science
- BIOL1543/1541L or 1543/1541M Principles of Biology
- BIOL1584 Biology for Majors
- BIOL1603/1601L or 1603/1601M Principles of Zoology
- BIOL1613/1611L or 1613/1611M Plant Biology
- BIOL2013/2011L or 2013/2011M General Microbiology

Chemistry
- CHEM1103/1101L University Chemistry I*
- CHEM1123/1121L or 1123H/1121M University Chemistry II
- CHEM1203/1201L Chemistry for Majors I*
- CHEM1223/1221L Chemistry for Majors II*
- CHEM3603/3601L or CHEM3603H/3602M Organic Chemistry I
- CHEM3613/3611L or CHEM3613H/3612M Organic Chemistry II
- CHEM3703/3702L Organic Chemistry for Majors I*
- CHEM3713/3712L Organic Chemistry for Majors II*
- PHYS1023/1021L or 1023H/1021M Physics & Human Affairs

Geology
- GEOS1113/1111L or 1113H/1111M General Geology
- GEOS1133/1131L Environmental Geology

Mathematics
- MATH254C or 2554H Calculus I
- MATH2564C or 2564H Calculus II
- MATH2574C or 2574H Calculus III
- MATH2584C or 2584H Calculus IV
- MATH2594C or 2594H Calculus V
- MATH2604C or 2604H Calculus VI
- MATH2614C or 2614H Calculus VII

HUMANITIES & SOCIAL SCIENCES
(6 courses • 18 hours)
- Minimum honors hours: 9

Social Sciences (1 courses • 3 hours)
- ANTH1023 or 1023H Intro to Cultural Anthropology
- COMM1023 or 1023H Communication in a Diverse World
- ECON2013 or 2013H Principles of Macroeconomics
- ECON2023 or 2023H Principles of Microeconomics
- ECON2143 or 2143H Basic Economics
- GEOS2003 or 2003H World Regional Geography
- PSYC2003 or 2003H General Psychology
- SOCI2013 or 2013H General Sociology

World Civilization (2 courses • 6 hours)
- HIST1113 or 1113H Inst. and Ideas of World Civ. I
- HIST1123 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)
- ARCH1003 or 1003H Architecture Lecture
- ARHS1003 or 1003H Art Lecture
- COMM1003 or 1003H Film Lecture
- DANC1003 or 1003H Movement and Dance
- ENGL2023 Creative Writing I
- MLIT1003 or 1003H Experiencing Music
- MLIT1013 or 1013H Music & Society
- MLIT1333 Popular Music
- THTR1003 or 1003H Theatre Appreciation
- THTR1013 Musical Theatre Appreciation
- THTR1223 Introduction to Theatre**

Humanities (select one)
- AAST2023 The African American Experience
- CLST1003 or 1003H Intro to Classical Studies: Greece
- CLST1013 or 1013H Intro to Classical Studies: Rome
- GNST2003 or 2003H Intro to Gender Studies
- COMM1233 or 1233H Media, Community, & Citizenship
- MUSY2003 or 2003H Music in World Cultures
- WLIT1123 or 1123H World Literature II
- Any other 2000+ WLIT or World Language literature course

COLLOQUIA & OTHER REQUIREMENTS
(hours vary based on exceptions & language placement)

- UNIV1001H: University Perspectives (freshmen must complete during first year)
- English Composition (2 courses • 6 hours)
- ENGL1013 Composition I
- ENGL1023 Composition II
- U.S. History or Government (1 course • 3 hours)
- HIST2003 History of the American People to 1877
- HIST2023 History of the American People 1877 to Pres
- PLSC2003 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 BIOL1584 also count as honors science credit.

**Students who complete THTR 1223, Introduction to Theatre, will receive 3 hours of honors credit.
### 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 Biol. Anthropology
- BIOL 1003/1001L Environmental Science
- OR ENSC 1003(H)/1001L (M) Environmental Science
- 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

**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
(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
- GEOG 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 1023 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**

### 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 2033 Composition II
- **U.S. History or Government (1 course • 3 hours)**
  - HIST 1003 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.
** Students who complete THTR 1223, Introduction to Theatre, will receive three hours of honors credit.
MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE in GEOLOGY (GEOPHYSICS)

J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

CHEMISTRY (2 courses • 8 hours)
- CHEM 1103/1101L University Chemistry I
- CHEM 1123/1121L University Chemistry II

MATHEMATICS (4 courses • 16 hours)
- MATH 2554 Calculus I
- MATH 2564 Calculus II
- MATH 2574 Calculus III
- MATH 2584 Elementary Differential Equations

GEOLGY WRITING REQUIREMENT
- Satisfied by a paper in a GEOS (geology) course numbered 3000 or higher or by completing an honors thesis.

GEOLGY (9 courses • 33 hours)
- GEOS 1113/1111L General Geology
- GEOS 2313 Mineralogy and Petrology
- GEOS 3383 Principles of Landscape Evolution
- GEOS 3413 Sedimentary Rocks & Fossils
- GEOS 3514 Structural Geology
- GEOS 4223 Stratigraphy and Sedimentation
- GEOS 4433 Geophysics
- GEOS 4924 Earth System History
- GEOS 4686 Geology Field Camp

PHYSICS (8 courses • 26 hours)
- PHYS 2054 University Physics I
- PHYS 2074 University Physics II
- PHYS 2094 University Physics III
- PHYS 3113 Analytical Mechanics
- PHYS 3414 Electromagnetic Theory
- PHYS 3613 Modern Physics
- PHYS 4073 Intro to Quantum Mechanics
- PHYS 4991 Physics Senior Seminar

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