### 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

<table>
<thead>
<tr>
<th>Physics &amp; Astronomy</th>
<th>Biology &amp; Anthropology</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ PHYS 2054 or 2054H University Physics I</td>
<td>☐ BIOL 1003/1001L Environmental Science</td>
</tr>
<tr>
<td>☐ PHYS 2074 or 2074H University Physics II</td>
<td>☐ BIOL 1543/1541L or 1543/1541M Principles of Biology</td>
</tr>
<tr>
<td>☐ BIOL 1584 Biology for Majors</td>
<td>☐ BIOL 1603/1601L or 1603/1601M Principles of Zoology</td>
</tr>
<tr>
<td>☐ BIOL 1613/1611L or 1613/1611M Plant Biology</td>
<td>☐ BIOL 2013/2011L or 2013/2011M General Microbiology</td>
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<td>☐ BIOL 2013/2011L or 2013/2011M General Microbiology</td>
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<thead>
<tr>
<th>Chemistry</th>
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</thead>
<tbody>
<tr>
<td>☐ CHEM 1103/1101L University Chemistry I</td>
<td>□ CHEM 1003/1001L Chemistry for Majors I*</td>
</tr>
<tr>
<td>☐ CHEM 1123/1121L or 1123H/1121M University Chemistry II</td>
<td>□ CHEM 1223/1221L Chemistry for Majors II*</td>
</tr>
<tr>
<td>☐ CHEM 1203/1201L Chemistry for Majors I</td>
<td>□ CHEM 3630/3630L or CHEM 3630H/3630M Organic Chemistry I</td>
</tr>
<tr>
<td>☐ CHEM 3613/3611L or CHEM 3613H/3612M Organic Chemistry II</td>
<td>□ CHEM 3703/3702L Organic Chemistry for Majors I*</td>
</tr>
<tr>
<td>☐ CHEM 3713/3712L Organic Chemistry for Majors II*</td>
<td>□ CHEM 1023/1021L or 1023H/1021M Physio &amp; Human Affairs</td>
</tr>
<tr>
<td>☐ PHYS 2033/2033L University Physics II</td>
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<table>
<thead>
<tr>
<th>Geology</th>
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</tr>
</thead>
<tbody>
<tr>
<td>☐ GEOS 1113/1111L or 1113H/1111M General Geology</td>
<td>□ CHEM 1003/1001L Chemistry for Majors I*</td>
</tr>
<tr>
<td>☐ GEOS 1133/1131L Environmental Geology</td>
<td>□ CHEM 1223/1221L Chemistry for Majors II*</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Mathematics</th>
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</thead>
<tbody>
<tr>
<td>☐ MATH 2554C or 2554H Calculus I</td>
<td>□ CHEM 1003/1001L Chemistry for Majors I*</td>
</tr>
<tr>
<td>☐ MATH 2564C or 2564H Calculus II</td>
<td>□ CHEM 1223/1221L Chemistry for Majors II*</td>
</tr>
<tr>
<td>☐ MATH 2574C or 2574H Calculus III</td>
<td>□ CHEM 3630/3630L or CHEM 3630H/3630M Organic Chemistry I</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Social Sciences (1 courses • 3 hours)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>☐ ANTH 1023L or 1023H Intro to Cultural Anthropology</td>
<td>□ ENGL 1003 or 1003H Art Lecture</td>
</tr>
<tr>
<td>☐ COMM 1023 or 1023H Communication in a Diverse World</td>
<td>□ COMM 1003 or 1003H Film Lecture</td>
</tr>
<tr>
<td>☐ ECON 2013 or 2013H Principles of Macroeconomics</td>
<td>□ DANC 1003 or 1003H Movement and Dance</td>
</tr>
<tr>
<td>☐ ECON 2023 or 2023H Principles of Microeconomics</td>
<td>□ ENGL 2023 Creative Writing I</td>
</tr>
<tr>
<td>☐ ECON 2143 or 2143H Basic Economics</td>
<td>□ MLIT 1003 or 1003H Experiencing Music</td>
</tr>
<tr>
<td>☐ GEOS 2003 or 2003H World Regional Geography</td>
<td>□ MLIT 1013 or 1013H Music &amp; Society</td>
</tr>
<tr>
<td>☐ PSYC 2003 or 2003H General Psychology</td>
<td>□ MLIT 3333 Popular Music</td>
</tr>
<tr>
<td>☐ SOCI 2013 or 2013H General Sociology</td>
<td>□ THTR 1003 or 1003H Theatre Appreciation</td>
</tr>
</tbody>
</table>

| 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 1003L 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 3333 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 2023 Composition II

- ☐ U.S. History or Government (1 course • 3 hours)
  - ☐ HIST 2003 History of the American People to 1877
  - ☐ HIST 3023 History of the American People 1877 to Pres
  - ☐ PLSC 2003 or 2003H American Nat'l Government

- ☐ World language through the Intermediate I (2013) level or higher (hours vary)

- ☐ 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.
### 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
- 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
- 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**

### 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 2023 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.
** Students who complete THTR 1223, Introduction to Theatre, will receive three hours of honors credit.
MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE in EARTH SCIENCE

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

**BIOLOGY (2 courses • 8 hours)**
- BIOL ____________
- BIOL ____________

**CHEMISTRY or PHYSICS (2 courses • 8 hours)**
- CHEM ____________
- CHEM ____________
—or—
- PHYS ____________
- PHYS ____________

**ASTRONOMY (1 course • 4 hours)**
- ASTR 2003/2001L Survey of the Universe

**MATHEMATICS (1 course • 3-4 hours)**
- MATH 2043 Survey of Calculus
- MATH 2053 Finite Mathematics
- MATH 2183 Mathematical Reasoning
- MATH 2554 Calculus I

**WORLD LANGUAGE up to the Elementary II (1013) level or higher (hours vary)**
- ____________ (1013)

**GEOLOGY (6 courses • 21 hours)**
- GEOS 1113/1111L General Geology
- GEOS 1133/1131L Earth Science
- GEOS 2313 Mineralogy and Petrology
- GEOS 3413 Sedimentary Rocks & Fossils
- GEOS 4033 Hydrogeology
- GEOS 4924 Earth System History

**GEOGRAPHY (3 courses • 9 hours)**
- GEOS 3023 Intro to Cartography
- GEOS 3043 Sustaining Earth
—or—
- GEOS 4353 Meteorology
- GEOS 4363 Climatology

**GEOSCIENCES ELECTIVES numbered 3000 or higher (6 hours minimum)**
- GEOS ____________
- GEOS ____________

**EARTH SCIENCE WRITING REQUIREMENT**
- Satisfied by a paper in a GEOS course numbered 3000 or higher or by completing an honors thesis.