### UNIVERSITY CORE

#### A. Core Foundations
- CORE 101
- CORE 102
- HNRS 103*
- CORE 201
- CORE 202

#### B. Core Skills & Knowledge
- Courses must be from different disciplines:
  - MATHEMATICAL SCIENCES (3 SH)
    - MATH 119, 138, or 151
  - HUMANITIES (3 SH)
    - BIOL 103*
  - SOCIETY & BEHAVIOR SCIENCES (3 SH)
    - SOCY 110 or 121

**NOTE:** Courses listed in multiple areas can only be used to fulfill a single area requirement.

* Honors course – will meet CORE 101 & 102 for those students in the RU honors program

### COLLEGE CORE

#### A. National & International Perspectives
- Courses must be from different disciplines:
  - U.S. PERSPECTIVES (3 SH)
    - ECON 106/206 recommended
  - GLOBAL PERSPECTIVES (3 SH)
    - GEOG 140 recommended

**NOTE:** Courses listed in multiple areas can only be used to fulfill a single area requirement.

### Environmental Biology Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Pre-requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 160*</td>
<td>Introductory Seminar in Biology</td>
<td>(2)</td>
<td>Freshmen only, BIOL 131, 132, 231, and 232 (232 may be concurrent)</td>
</tr>
<tr>
<td>BIOL 460*</td>
<td>Advanced Seminar in Biology</td>
<td>(2)</td>
<td>Freshmen only, BIOL 131, 132, 231, and 232 (232 may be concurrent)</td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Ecology and Adaptation</td>
<td>(4)</td>
<td>BIOL 131, 132, 231 and 232 may only be taken TWICE, and must be completed with C or higher before taking any 3XX/4XX level BIOL elective.</td>
</tr>
<tr>
<td>BIOL 132</td>
<td>Biology of Cells and Microorganisms</td>
<td>(4)</td>
<td></td>
</tr>
<tr>
<td>BIOL 231</td>
<td>Genetics, Evolution, and Development</td>
<td>(4)</td>
<td>BIOL 132</td>
</tr>
<tr>
<td>BIOL 232</td>
<td>Organismal Biology</td>
<td>(4)</td>
<td>BIOL 131</td>
</tr>
<tr>
<td>BIOL 390</td>
<td>Conservation Biology</td>
<td>(3)</td>
<td>BIOL 231, OR BIOL 103 &amp; (104 or 105)</td>
</tr>
<tr>
<td>GEOS 250</td>
<td>Introduction to GIS</td>
<td>(4)</td>
<td></td>
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</tbody>
</table>

#### 3-6 credit hours from any combination of hours in the following:
- BIOL 491/492
- BIOL 495

One of the courses below: (4)
- BIOL 333
- BIOL 476

One of the courses below: (3-4)
- BiOL 392
- BIOL 481
- BIOL TBD
- CHEM 215

One of the courses below: (3)
- GEOS 241
- ECON 375
- SOCY 370

One of the courses below: (11-12)
- BIOL 215 Plants and Society (4)
- BIOL 216 General Zoology (4)
- BIOL 217 Flora of Virginia (4)
- BIOL 333 Population/Community Ecology (4)
- BIOL 351 Comparative Physiology (4)
- BIOL 353 Comparative Behavior (3)
- BIOL 361 Parasitology (4)
- BIOL 380 Ornithology (4)
- BIOL 392 Environ Toxicology (4)
- BIOL 408 Principles Microbiology (4)
- BIOL 425 Evolution (3)
- BIOL 462 Invertebrate Zoology (4)
- BIOL 464 Vertebrate Zoology (4)
- BIOL 476 Forest & Wetland Ecology (4)
- BIOL 481 Ecosystem Ecology (3)
- BIOL 482 Microbiology (4)
- BIOL 483 Conservation Physiology (4)
- CHEM 215 Environ Chemistry (3)
- GEOS 355 Biogeography (3)

**See back**
**B.S. Requirements (8 hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 301</td>
<td>______ (4)</td>
<td>F</td>
<td>CHEM 102</td>
</tr>
<tr>
<td>CHEM 302</td>
<td>______ (4)</td>
<td>S</td>
<td>CHEM 301</td>
</tr>
</tbody>
</table>

**Graduation Requirements:** Students must attain a minimum 2.0 in major and overall GPA in order to graduate. Major GPA is calculated using grades received in Biology 131, 132, all Biology courses 200 level or higher, all courses outside of Biology used as electives (including: CHEM 471:472 and Physics if used as elective) and/or any course used as an elective by academic petition. Students are required to complete a minimum of 120 credit hours.