### A. Core Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORE 101</td>
<td>3</td>
</tr>
<tr>
<td>CORE 102</td>
<td>3</td>
</tr>
<tr>
<td>HNRS 103*</td>
<td>3</td>
</tr>
<tr>
<td>CORE 201</td>
<td>3</td>
</tr>
<tr>
<td>COMS 114</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 111: 213</td>
<td>3</td>
</tr>
</tbody>
</table>

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

Students can use two courses with their major prefix to fulfill core requirements.

### B. Core Skills & Knowledge

#### **MATHEMATICAL SCIENCES (3 SH)**
- MATH 119, 138, 151, 152 ___ 3

#### **NATURAL SCIENCES (4 SH)**
- CHEM 101 ___ 4
- PHYS 103* ___ 3

- One of the following: CLS/CCST; 110 ENGL 200, HIST 101, 102 PHIL 111, 112, 200; POSC 110; RELN 111, 112, 203, 206

- One of the following: ART 111, 215, 216

- CVPA 266, DNCE 111 MUSC 100, 121, 123

- THEA 100, 180

#### **VISUAL & PERFORMING ARTS (3 SH)**

One of the following: ANSC 101, APST 200

- ECON 205, 206, GEOG 101, 102, 103 HIST 111, 112, POSC 120 PSYC 121 RELN 205

- SOCY 110, 121

### B. National & International Perspectives

#### **U.S. PERSPECTIVES (3 SH)**
- ECON 205/206 recommended ___ 3

One of the following: APST 200

- ECON 101, 205, 206, ENGL 203

- GEOG 201, 202, 203 HIST 111, 112

- POSC 120, SOCY 110

### B. Supporting Skills & Knowledge

#### **NATURAL SCIENCES OR MATH (3-4 SH)**
- STAT 219 ___ 3

- HUMANITIES, VISUAL & PERFORMING ARTS, OR FOREIGN LANGUAGES (3-4 SH)

One of the following: CLS/CCST; 110 ENGL 200 HIST 101, 102 PHIL 111, 112, 200; POSC 110; RELN 111, 112, 203, 206; CVPA 266; OR ART 100, 215, 216 DNCE 111, MUSC 100, 121, 123 THEA 100, 180 OR CHS; 101:102, 201

- 202 ARAB 101, 102, 201, 201, FORL 100, 109, 200, 210, 209, 309, 409; FREN 100, 200, 210, 300, 320; GRMN 100, 200, 210, 300; LATIN 101 102, 201, 350; RUSS 100, 200, 210, 300; SPAN 101:102, 105, 201, 202

#### **SOCIAL/BEHAV. SCI., OR HEALTH & WELLNESS (3 SH)**
- SOCY 110 or 121 recommended ___ 3

One of the following: ANSC 101, APST 200

- ECON 205, 206 GEOG 101, 102, 103 HIST 111, 112 POSC 120; PSYC 121 RELN 205 SOCY 110, 121

### Biology Major - Molecular Biology Concentration

<table>
<thead>
<tr>
<th>Course number</th>
<th>Credits</th>
<th>Course name</th>
<th>Fall/Spring</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 160*</td>
<td>___</td>
<td>Introductory Seminar in Biology</td>
<td>F/S</td>
<td>Freshmen only</td>
</tr>
<tr>
<td>BIOL 460*</td>
<td>___</td>
<td>Advanced Seminar in Biology</td>
<td>F/S</td>
<td>BIOL 131, 132, 231 and 232 (232 may be concurrent)</td>
</tr>
</tbody>
</table>

*OR Transfer students or others who do not take BIOL 160 must take 4 hours of BIOL 460 (2.21) or 2 hours BIOL 460 plus one additional 3XX/4XX level BIOL elective (excluding BIOL 310, 311, 322, 334, 491, 492 and 495).

- BIOL 131 ___ 4
- BIOL 132 ___ 4
- BIOL 231 ___ 4
- BIOL 232 ___ 4
- BIOL 233 ___ 4
- BIOL 471 and (___ 3
- BIOL 472 and (___ 3

**B.S. Requirements**

- CHEM 301 ___ 4
- CHEM 302 ___ 4
- STAT 219 ___ 3
- MATH 119/138/151/152 ___ 3
- BIOL 408 ___ 4
- BIOL 450 ___ 4
- BIOL 471 and (___ 3
- BIOL 472 and (___ 3

**Concentration elective hours (15- or 19 (11 BIOL+8 PHYS) credits):** Students must take either 15 credit hours from the following list or 11 credit hours from the list and 8 hours of Physics (PHYS 111: PHYS 112 or PHYS 221:PHYS 222).

- BIOL 301 or PHIL 310 ___ 2/3
- BIOL 337 ___ 4
- BIOL 383 ___ 4
- BIOL 409 ___ 4
- BIOL 410 ___ 4
- BIOL 419 ___ 3
- BIOL 432 ___ 3
- BIOL 430 ___ 3
- BIOL/PH 474 ___ 1
- BIOL 478 ___ 4
- BIOL 491/492/495 ___ 1-6

**Bioethics or Professional Ethics**

**Immunology**

**Molecular Forensic Biology**

**Virology**

**Human Anatomy Physiology for Science Majors**

**Introduction to Molecular Bioinformatics**

**The Eukaryotic Cell**

**Genes and Development**

**Biochemistry Laboratory**

**Endocrinology**

**Directed Study & Research / Undergraduate Research / Internship in Biology**

**Graduation Requirements:** To graduate with a major in biology a student must attain an overall major grade point average of 2.0 or higher. Major GPA is calculated by using BIOL 131, BIOL 132, BIOL 160, all biology courses 200-level or higher, all courses outside of biology used as electives (including CHEM 471/472, Physics if used as an elective, Geography or Geology used as an environmental concentration elective), and any course used as an elective by academic petition.