**Graduation Requirements**

|  |  |  |
| --- | --- | --- |
|  | 120 Total Hours |  |
|  | 42 Senior Hours |  |
|  | Global Study |  |
|  | Foreign language |  |

**General Education**

|  |  |  |  |
| --- | --- | --- | --- |
|  | English 101 | EN |  |
|  | Communication 101 | CO |  |
|  | Mathematics | MA |  |
|  | Natural Sciences | NS |  |
|  |  |
|  | U.S Traditions | US |  |
|  | Individual and Civic Life | IC |  |
|  | Fine Arts | FA |  |
|  | Humanities | HU |  |
|  | Language in Humanities | LH |  |
|  | Quantitative Reasoning | QR |  |
|  | Science, Math, Technology | ST | **Exempt** |
|  | Social Sciences | SS |  |

**MAJOR IN Biological Sciences- Physiology, Neuroscience & Behavior CHECKLIST**

**For 2016-2018 *Undergraduate Catalogs***

Note: S = Senior standing required, M = Major in General Biology required

37 hours in Biology courses required; additional hours in Chemistry, Physics, and Math

|  |  |
| --- | --- |
| **Courses outside of Biology** | **Prerequisites** |
| Math 120/121 or 145/146 or Math 120/stats 138 or Math 145/stats 138 | Vary by course |
| CHE 140/141 or 110/112 (general or fund.) | Vary by course |
| CHE 220 or 230/231 Organic Chemistry | Vary by course |
| PHY 105 or 108 or 110 | Vary by course |

|  |  |
| --- | --- |
| **Required Major Courses** | **Prerequisites** |
| 196 Biological Diversity (4)\* | M |
| 197 Molecular and Cellular Basis of Life (4)\* | M |
| 204 Biological Investigations (1) | M; BSC 196 and 197 |
| **Required Sequence Courses** |  |
| 283 Animal Physiology (4)\* | CHE 110/112 or 141, J/S |
| 286 Animal Behavior (3) | M; BSC 196, 197; CHE 110 and 112 or 141 |
| 327 Hormones and Behavior (3) | BSC 283 or 286 |
| 343 Introduction to Neurobiology (3) | BSC 196 and 197 |

|  |  |
| --- | --- |
| **Biology elective Courses: 15 hours; at least one with lab; no more than two from Psychology** | **Prerequisites** |
| 201 Ecology (4)\* | BSC 196 and 197 |
| 203 Cell Biology (3) | BSC 196, 197; CHE 110/112 or 141 |
| 219 Genetics (3) | BSC 196 and 197 |
| 260 Microbiology (4)\* | BSC 196/197; CHE 220 or CHE 230/231 |
| 290 Research in Biological Sciences or 299 (variable hours) | Consent of instructor |
| 292 Invertebrate Zoology (4)\* | BSC 196 and 197 |
| 295 Comparative Vertebrate Anatomy (4)\* | BSC 196 and 197 |
| 296 Mammalian Biology (3) | BSC 196 and 197 |
| 301 Entomology (4)\* | BSC 196 and 197; 201 |
| 305 Biological Evolution (3) | BSC 196 and 197; min 45 hours completed |
| 311 Rainforest Ecology (3)\* | BSC 201; consent instructor |
| 345 Introduction to Endocrinology (3) | BSC 203 |
| 350 Molecular Biology (3) | BSC 203, 219, CHE 220, or 230/231 |
| 353 Biotechnology Lab 1: DNA (3)\* | BSC 219; CHE 220 or CHE 230-232 |
| 354 Biotechnology Lab II: Cell Biology (3)\* | BSC 203; CHE 220 or 230-232 recommended |
| 367 Immunology (4) | BSC 203 |
| 396 Avian Biology (4)\* | BSC 196 and 197 |
| Psy 253 Cognition and Learning (3) | Psy 110 or 111 |
| Psy 263 Physiological Psychology (3) | Psy 110 or 111 |
| Psy 350 Psychopathology (3) | Psy 110 or 111 |