**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- Plant CHECKLIST**

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

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

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| **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 |

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| **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** |  |
| 212 Principles of Botany (4)\* | BSC 196 and 197 |
| 219 Genetics (3) | BSC 196 and 197 |
| 365 Bioenergy Plant/Microbe Biology and Environment | One from: BSC 201, 203, 212, 219, 260 |

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| **Conceptual Electives (At least one course)** | **Prerequisites** |
| 201 Ecology (4)\* | BSC 196 and 197 |
| 203 Cell Biology (3) | BSC 196, 197; CHE 110 and 112 or 141 |
| 260 Microbiology (4)\* | BSC 196/197; CHE 220 or CHE 230/231 |
| 305 Biological Evolution (3) | BSC 196 and 197; junior/senior standing |

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| **Plant Electives (At least two courses)** | **Prerequisites** |
| 211 Economic Botany (4)\* | BSC 196 or AGR 150, and BSC 197 |
| 333 Plant Diversity (4)\* | One from: BSC 211, 212, 223 |
| 346 Developmental Biology (3) | BSC 203; BSC 219 recommended |

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| **Additional Biology Electives: other courses in BSC to total 37** | **Prerequisites** |
|  |  |
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\*Must take 2 lab courses from elective list in addition to BSC 196, 197, and 212.