**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**

**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

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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 |
| [ ]  223 Ecology and Conservation of Plants (4)\* | BSC 196 and 197 |
| [ ] 330 Biology of Algae (4)\* | One from: BSC 201, 203, 212, 219, 260 |
| [ ] 333 Plant Diversity (4)\* | One from: BSC 211, 212, 223 |
| [ ] 335 Plant Taxonomy [ ] 336 Lab in Plant Identification (4)\*  | One from: BSC 211, 212, 223; concurrent BSC 335 |
| [ ] 346 Developmental Biology (3) | BSC 203; BSC 219 recommended |

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| **Additional Biology Electives: other courses in BSC to total 37** | **Prerequisites** |
| [ ]  |  |
| [ ]  |  |

\*Must take 2 lab courses from elective list in addition to BSC 196, 197, and 212.