|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Bachelor of Science (B.S.) Degree:**  **Biology** | |  | | | | | | |
| **2014-2015**  **Courses in BOLD are required by this major**  **Courses in regular type are to fulfill general education requirements and DO NOT have to be taken the specific semester stated.**  ***Courses in ITALIC are strongly recommended***  **ALSO REQUIRED FOR GRADUATION**   * **124 credit hours** * **2 Winter Terms** * **39 Upper division credits** * **2.00 GPA** * **Completion of all major & gen ed requirements** |  | |  | | | | | | |
|  | **First Year Fall**  ***(consider a WT)*** | **GE Goal** | | **Sem Hours** | **Date Met** | **First Year Spring** | **GE Goal** | **Sem Hours** | **Date Met** |
|  | **BIOL1500 Fund of Ecol & Evol** | **1a** | | **3** |  | **BIOL1520 Fund of Org. Biology** | **1d** | **4** |  |
|  | ENGL1410 Modern Rhetoric OR  ENGL1440 English Honors | **3C** | | **3** |  | Speech Communication | **3b** | **3** |  |
|  |  |  | |  |  | **CHEM1440/1441 Prin. Chem. II w/lab** |  | **4** |  |
|  | *MATH1510 Calculus I* | *3a* | | *3* |  | Ethics & Values | 3e | 3 |  |
|  | **CHEM1430/1431 Prin of Chem I w/lab** |  | | **4** |  |  | | |  |
|  | INTD1100 Critical Thinking in Arts & Sciences\* |  | | **3** |  |  | | |  |
|  | **Total Hours** |  | |  |  | **Total Hours** |  |  |  |
|  | **Notes:** | | | | | | | | |
|  | **Second Year Fall**  ***(consider a WT)*** | **GE Goal** | | **Sem**  **Hours** | **Date Met** | **Second Year Spring** | **GE Goal** | **Sem Hours** | **Date Met** |
|  | **Biology Elective\*\*** |  | | **3-4** |  | **BIOL2100 Fund of Cell Bio & Gen** |  | **4** |  |
|  | **CHEM3410/3411 Org Chem I w/lab** |  | | **4** |  | **CHEM3420/3421 Org Chem II w/lab** |  | **4** |  |
|  | Humanities | 2b | |  |  | *MATH1380 Intro to Stats* | *3a* | *3* |  |
|  | HLTH1300 Lifetime Health/Fitness Lab | 3f | |  |  | History/Political Science | 1b |  |  |
|  | Social/Behavioral Science | 1c | |  |  |  | | |  |
|  | **Total Hours** |  | |  |  | **Total Hours** |  |  |  |
|  | **Notes:** | | | | | | | | |
|  | **Third Year Fall**  ***(check your degree audit!)*** | **GE Goal** | | **Sem**  **Hours** | **Date Met** | **Third Year Spring** | **GE Goal** | **Sem Hours** | **Date Met** |
| **\* See Catalog for specific information**  **+denotes courses offered only every other year** | **PHYS1410 w/lab** |  | | **4** |  | **PHYS1420 w/lab** |  | **4** |  |
|  | **Biology elective\*\*** |  | | **3-4** |  | **Biology elective\*\*** |  | **3-4** |  |
|  | ENGL3XXX Advanced Comp | 3d | | 3 |  | Arts | 2a |  |  |
|  | *Strongly recommended bio course\*\*\** |  | |  |  | *Strongly recommended bio course\*\*\** |  |  |  |
|  | PE Activity | 3f | | 1 |  |  |  |  |  |
|  | **Total Hours** |  | |  |  | **Total Hours** |  |  |  |
|  | **Notes:** | | | | | | | | |
|  |  | | | | | | | | |
|  | **Fourth Year Fall**  ***(apply for graduation!)*** | **GE Goal** | | **Sem**  **Hours** | **Date Met** | **Fourth Year Spring** | **GE Goal** | **Sem Hours** | **Date Met** |
|  | **BIOL4110 Biology Seminar** |  | | **1** |  | **BIOL/CHEM4130 Research II** |  | **1** |  |
|  | **BIOL/CHEM4120 Research I** |  | | **1** |  | Elective |  | 3 |  |
|  | **Biology Elective\*\*** |  | | **3-4** |  | *Strongly recommended biology course\*\*\** |  |  |  |
|  | Human Diversity | 4 | | 3 |  | Elective |  | 3 |  |
|  | *Strongly recommended biology course\*\*\** |  | |  |  | Elective |  | 3 |  |
|  | Elective |  | | 3 |  |  | | | |
|  | **Total Hours** |  | |  |  | **Total Hours** |  |  |  |
|  | **Notes:** | | | | | | | | |
| **Updated:**  **2/24/2014** |  | | | | | | | | |
|  | **\* Graduation requirement for all first time freshmen**  **\*\* Choose four of the following courses in at least two areas (13-16 sh) AREA 1:** BIOL2360, 2430, 2440, 3400 **AREA 2:** BIOL3310, 3500, 4310, 4450, 4460 **Area 3:** BIOL3420, 3440, 4400  **\*\*\*** *In addition to MATH1510 and MATH1380 being strongly recommended for students planning to attend professional or graduate school, there are several bio courses that are also strongly recommended:* ***Professional School recommendations:*** *ATHT2500, BIOL2360, 3120, 3310, 3420, 3440, 3500, 4310, 4450* ***Graduate School recommendations:*** *BIOL3120, 3 biology electives depending on field of interest.*  ***Please meet with your faculty advisor to discuss these recommended courses.***  *\*\*\*\*If necessary, students may choose to work with biology faculty to arrange taking BIOL4120 Research I for spring of junior year and BIOL4130 Research II for fall of senior year. Or depending on the research topic, Research I & II may be arranged for fall of senior year if research project can be completed in one semester.*  **DISCLAIMER: These plans are to be used as guides only and are subject to changes in curriculum requirements. Refer to your Graceland Catalog for complete and accurate information. Some courses listed on the plans may have prerequisites that have not been stated. The student has the ultimate responsibility for scheduling and meeting the graduation requirements.** | | | | | | | | |
| **Name:**  **ID:** |  | | | | | | | | |
|  |  | | | | | | | | |

