|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2017-2018** | **Bachelor of Arts (B.A.) Degree – Biology Major (5-12 Teaching Endorsement)**  ***Graceland’s teacher education program is noted for excellence in providing a technology emphasis, psychological and sociological foundations, and learning theory. Beginning in the sophomore year, course work is balanced by extensive field experiences in both public and private schools.***  **Name:** **ID:** | | | | | | | |
| **Courses in BOLD are required by this major**  **Courses in regular type are to fulfill essential education learning requirements and DO NOT have to be taken the specific semester stated.**  ***Courses in ITALIC are strongly recommended***  **+denotes courses offered only every other year**  **ALSO REQUIRED FOR GRADUATION**   * **120 credit hours** * **39 Upper division credits** * **2.75 GPA** * **Completion of all major & essential education learning requirements** |
| **First Year Fall** | **Learning Outcome** | **Sem Hours** | **Date Met** | **First Year Spring** | **Learning Outcome** | **Sem Hours** | **Date Met** |
| **BIOL1500 Fund of Ecol & Evol (fall only)** |  | **3** |  | **BIOl1520 Fund of Org. Biol (spring only)** |  | **4** |  |
| ENGL1100 Discourse I OR  ENGL1120 Honors Discourse I | 1a | **3** |  | ENGL2100 Discourse II OR  ENGL2120 Honors Discourse II | 1b | **3** |  |
| INTD1100 Critical Thinking Lib Arts-Sciences | 2 | **3** |  | **CHEM1440/1441 Prin. of Chem II w/lab** |  | **4** |  |
| **CHEM1430/1431 Prin. of Chem I w/lab** |  | **4** |  | **EDUC1400 Intro to Ed.** |  | **3** |  |
| PSYC1300 Introductory Psychology | 5c | **3** |  | **EDUC1410 Field Experience** |  | **1** |  |
|  |  |  |  | Science | 6a | **3** |  |
| **Total Hours** |  | **16** |  | **Total Hours** |  | **18** |  |
| **Notes: CHEM1430/1431 are pre-requisites for CHEM3410/3411** | | | | | | | |
| **Second Year Fall** | **Learning Outcome** | **Sem**  **Hours** | **Date Met** | **Second Year Spring** | **Learning Outcome** | **Sem Hours** | **Date Met** |
| Arts | 5a | **3** |  | **CHEM3420/3421 Org. Chem II /lab** |  | **4** |  |
| **EDUC2420 Teacher Ed. Entry Wkshp** |  |  |  | **PSYC2250 Developmental Psych** |  | **3** |  |
| **CHEM3410/3411 Org. Chem I /lab** |  | **4** |  | **PSYC3580 Psych of Except. Child** |  | **3** |  |
| Histories | 5d | **3** |  | **BIOL2100 Fund of Cell Bio and Gen** |  | **4** |  |
| **Biology Elective Choice\*\*\*** |  | **3** |  | **Biology Elective Choice\*\*\*** |  | **3** |  |
| Mathematics\*\* | 6b | **3** |  |  |  |  |  |
| **Total Hours** |  | **16** |  | **Total Hours** |  | **17** |  |
| **Notes: If the student has a 2.5 GPA he/she can petition to take EDUC3580 during the sophomore year. It can also be taken the summer prior to the junior year online.** | | | | | | | |
| **Third Year Fall**  ***(check your degree audit!)*** | **Learning Outcome** | **Sem**  **Hours** | **Date Met** | **Third Year Spring** | **Learning Outcome** | **Sem Hours** | **Date Met** |
| **PHYS1410 w/lab** |  | **4** |  | **PHYS1420 w/lab** |  | **4** |  |
| **Biology Elective Choice\*\*\*** |  | **3** |  | **BIOL4130 Bio. Research II\*\*\*\*** |  | **1** |  |
| **BIOL4120 Biology Research I\*\*\*\*** |  | **1** |  | **EDUC3520 Sec. Methods & Cont Rdg** |  | **3** |  |
| **EDUC3100 Human Rel. in Ed.** | 3 | **3** |  | **Biology Elective Choice\*\*\*** |  | **3** |  |
| **EDUC3590 Ed. Psych & Measurement** |  | **3** |  | **SCIE3360 Meth. Of Teach Science/Math** |  | **3** |  |
| Global Learning | 4 | **3** |  | Mathematics\*\* | 6b | **3** |  |
| **Total Hours** |  | **17** |  | **Total Hours** |  | **17** |  |
| **Notes:** | | | | | | | |
| **Fourth Year Fall**  ***(apply for graduation!)*** | **Learning Outcome** | **Sem**  **Hours** | **Date Met** | **Fourth Year Spring** | **Learning Outcome** | **Sem Hours** | **Date Met** |
| **BIOL4110 Bio Seminar** |  | **1** |  | **EDUC4420 Secondary Student Teaching** |  | **14** |  |
| **EDUC3720 Practicum** |  | **2** |  |
| **EDUC4100 LEP** |  | **2** |  |  |  |  |  |
| **EDUC4230 Classroom Mgt.** |  | **3** |  |  |  |  |  |
| ENGL3100 Discourse III | 1c | **3** |  |  |  |  |  |
| Humanities | 5b | **3** |  |  |  |  |  |
| **Total Hours** |  | **14** |  | **Total Hours** |  | **14** |  |
| **Notes: EDUC3720 Secondary Education Practicum 2 s.h. can also be taken the two weeks immediately prior to student teaching.** | | | | | | | |
| **Updated:**  **8/11/17** | **\*\*** MATH1510 Calculus I and MATH1380 Stats are recommended math courses.  \*\*\* **Choose four of the following courses in at least two areas (13-16 sh) AREA 1:** BIOL2360, 2430, 2440, 3400 (6a) **AREA 2:** BIOL3310, 3500, 4310, 4450, 4460 **Area 3:** BIOL3420, 3440, 4400  **\*\*\*\*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.** | | | | | | | |