|  |  |  |
| --- | --- | --- |
|  | **Bachelor of Arts (B.A.) Degree:****Biology** **(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.***  |
| **2015-2016****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*** **120 credit hours**
* **39 Upper division credits**
* **2.75 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 (fall only)** | **1a** | **3** |  | **BIOl1520 Fund of Org. Biol (spring only)** | **1d** | **4** |  |
| ENGL1410 Modern Rhetoric ORENGL1440 English Honors | **3C** | **3** |  | Speech Communication | **3b** | **3** |  |
| **INTD1100** |  | **3** |  | **CHEM1440/1441 Prin. of Chem II w/lab** |  | **4** |  |
| **CHEM1430/1431 Prin. of Chem I w/lab** |  | **4** |  |       |  |  |  |
| ***PSYC1300 Intro to Psych*** | **1c** | **3** |  | **EDUC1400 Intro to Ed.** |  | 3 |
| PE Activity | 3f | 1 |  | **EDUC1410 Field Experience** |  | **1** |  |
| **Total Hours** |  | **17** |  | **Total Hours** |  | **15** |  |
| **Notes: CHEM 1430/1431 are pre-requisites for CHEM3410/3411** |
| **Second Year Fall*****(consider a WT)*** | **GE Goal** | **Sem****Hours** | **Date Met** | **Second Year Spring** | **GE Goal** | **Sem Hours** | **Date Met** |
| Arts | **2a** | **3** |  | **CHEM3420/3421 Org. Chem II /lab** |  | **4** |  |
| **EDUC2420 Teacher Ed. Entry Wkshp** |  |  |  | **PSYC2250 Dev. Psych** |  | **3** |  |
| **CHEM3410/3411 Org. Chem I /lab** |  | **4** |  |  |  | **0** |  |
| **US History or American Govt** | **1b** | **3** |  | **BIOL2100 Fund of Cell Bio and Gen** |  | **4** |  |
| **Biology Elective Choice\*\*\*** |  | **3** |  | HLTH1300 Lifetime Health/Fitness Lab | 3f | 2 |  |
| Mathematics |  | **3** |  | **Biology Elective Choice\*\*\*** |  | **3** |  |
| **Total Hours** |  | **16** |  | **Total Hours** |  | **16** |  |
| **Notes: If the students 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!)*** | **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** | **PHYS 1410 w/lab** |  | **4** |  | **PHYS1420 w/lab** |  | **4** |  |
| **Biology Elective Choice\*\*\***  |  | **3** |  | **Biology Elective Choice\*\*\***  |  | **3** |  |
| **BIOL4120 Biology Research I\*\*\*\*** |  | **1** |  | **BIOL4130 Bio. Research II** |  | **1** |  |
| **EDUC3100 Human Rel. in Ed.** | **3e** | **3** |  | **EDUC3520 Sec. Methods & Cont Rdg** |  | **3** |  |
| **EDUC3590 Ed. Psych & Measurement** |  | **3** |  | ENGL3XXX Advanced Comp. | 3d | **3** |  |
| Arts       | 3a | **3** |  | **SCIE3360 Meth. Of Teach Science/Math** |  | **3** |  |
|  | **Total Hours** |  | **17** |  | **Total Hours** |  | **17** |  |
|  | **Notes:** |
|  |
|  | **Fourth Year Fall*****(apply for graduation!)*** | **GE Goal** | **Sem****Hours** | **Date Met** | **Fourth Year Spring** | **GE Goal** | **Sem Hours** | **Date Met** |
|  | **BIOL4110 Bio Seminar** |  | **1** |  | **EDUC4420 Secondary Student Teaching** |  | **14** |  |
| **Practicum** |  | **2** |  |
|  | **EDUC4100 LEP** |  | **2** |  |  |  |  |  |
|  | **EDUC4300 Sec. Classrom Mgt.** |  | **3** |  |  |  |  |  |
|  |
|  | Human Diversity       | 4 | **3** |  |  |  |  |  |
|  | Humanities       | 2b | **3** |  |  |  |  |  |
|  | **Total Hours** |  | **14** |  | **Total Hours** |  |  |  |
|  | **Notes: EDUC3720 Secondary Education Practicum 2 s.h. can also be taken the two weeks immediately prior to student teaching.** |
| **Updated:****4/16/2015** |
| **\* Graduation requirement for all first time freshmen****\*\*** 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 **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.** |
| **Name:** **ID:** |
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