|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Bachelor of Arts (B.A.) Degree:**  **Chemistry**  **(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.*** | | | | | | |
| **2013-2014**  **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** * **2.75 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** |
|  | **CHEM1430/1431 Prin. of Chem I w/lab** | **1a** | | **4** |  | **MATH1520 Calc II** | **3a** | **3** |  |
|  | 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** |  | **US Hist. or American Govt.** |  |  |  |
|  |  |  | |  |  | **PSYC2250 Dev. Psych** |  | **3** |  |
|  | ***PSYC1300 Intro to Psych*** | **1c** | | **3** |  | PE Activity | 3f | 1 |  |
|  | 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** |
|  | **CHEM3410+ Phys. Chem I** *(odd fall)* |  | | **4** |  | **CHEM3420/3421 Org. Chem II w/lab** |  | **4** |  |
|  | **PHYS1410 Elements of Phys I w/lab** |  | | **4** |  | **PHYS1420 Elements of Phys II w/lab** |  | **4** |  |
|  | **EDUC1400 Intro to Ed.** |  | | **3** |  | *MATH1380 Intro to Stats* | *3a* | *3* |  |
|  | **EDUC1410 Field Experience** |  | | **1** |  | History/Political Science | 1b |  |  |
|  | *BIOL1400 Fund of Bio Science\*\** |  | | 3 |  | Humanities | 2b |  |  |
|  | Arts | 2a | |  |  | **EDUC2420 Teacher Ed. Entry Wkshp** |  | **0** |  |
|  | **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** | **CHEM3110 Chem Seminar I** |  | | **1** |  | **CHEM3300+ Ana. Chem** *(odd spring)* |  | **5** |  |
|  | **CHEM3610/3411 Org. Chem I /lab** |  | | **4** |  | **CHEM3620/3421 Org. Chem II/lab** |  | **4** |  |
|  | **CHEM4120 Research I** |  | | **1** |  |  |  |  |  |
|  | **CHEM4330+ Inst. Analysis** *(even fall)* |  | | **4** |  | **CHEM4310 Biochem /lab** |  | **4** |  |
|  | **EDUC3590 Ed Psych & Measurement** |  | | **3** |  | **CHEM4130 Research II** |  | **1** |  |
|  | **EDUC3100 Human Relations for Ed** | **3e** | | **3** |  | **SCIE3360 Meth. Teach Science/Math** |  | **3** |  |
|  | HLTH1300 Lifetime Health/Fitness Lab | 3f | | 2 |  |  | | | |
|  | **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** |
|  | **CHEM4110 Chem Seminar II** |  | | **1** |  | **EDUC4420 Sec. Student Teaching** |  | **14** |  |
|  | **EDUC3580 Psych of Excep Child/Adult** |  | | **3** |  |  | | | |
|  | **EDUC3520 Sec. Methods** |  | | **3** |  |  | | | |
|  | **EDUC4300 Sec. Class. Mgt** |  | | **3** |  |  | | | |
|  | **EDUC4100 LEP** |  | | **1** |  |  | | | |
|  | **HLTH1100 First Aid\*\*\* OR HLTH1110** |  | | **1** |  |  | | | |
|  | ENGL3XXX Advanced Comp | 3d | | 3 |  |  | | | |
|  | **Total Hours** |  | |  |  | **Total Hours** |  |  |  |
|  | **Notes:Winter Term EDUC3720 Sec. Education Practicum 2 s.h.** | | | | | | | | |
| **Updated:**  **9/25/13** |  | | | | | | | | |
|  | **\* Graduation requirement for all first time freshmen**  **\*\* BIOL1400 Fund. Of Bio Science is recommended, but not required for the major.**  **\*\*\*** ARC First Aid Card and CPR Card will substitute for this requirement providing it is approved by the Health & Movement Science Division.  *NOTE: Application to the Teacher Education Program should be submitted during EDUC2420.*  **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:** |  | | | | | | | | |
|  |  | | | | | | | | |

