|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Bachelor of Arts (B.A.) Degree:**  **Basic Science**  **(5-12 Teaching Endorsement)** | |  | | | | | | |
| **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** * **2.75 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** |
|  | **BIOL1400 Fund of Bio. Science OR BIOL1500** | **1a** | | **3** |  | **PSYC1300 Intro to Psych** | **1c** | **3** |  |
|  | ENGL1410 Modern Rhetoric OR  ENGL1440 English Honors | **3c** | | **3** |  | **MATH1520 Calculus II** | **3a** | **3** |  |
|  |  |  | |  |  | **US History or American Govt** | **1b** | **3** |  |
|  | Humanities | 2b | | 3 |  | Speech Communication | 3b | 3 |  |
|  | **MATH1510 Calculus I\*** | **3a** | | **3** |  | Arts | 2a | 3 |  |
|  | 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** |
|  | **CHEM1430/1431 Prin of Chem I w/lab** |  | | **4** |  | **CHEM2440/1441 Prin. of Chem II w/lab** |  | **4** |  |
|  | **SCIExxxx Phys. Science Elective** |  | | **3** |  |  |  |  |  |
|  | **EDUC1400 Intro to Education** |  | | **3** |  | PHED/HLTH1300 | 3f | 2 |  |
|  | **EDUC1410 Clinical Lab** |  | | **1** |  | **BIOL2360 Fund. Of Microbiology** |  | **4** |  |
|  | **BIOL2430 Fund. Of Animal Bio** | **1d** | | **4** |  | **EDUC2420 Teach Educ. Entry Wkshp** |  | **0** |  |
|  | PE Activity | 3f | | 1 |  | **PSYC2250 Develop. Psych** | **1d** | **3** |  |
|  | **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 Elements of Physics I** |  | | **4** |  | **PHYS1420 Elem. Of Physics II** |  | **4** |  |
|  | **CHEM3410/3411 Organic Chem I w/lab** |  | | **4** |  | **CHEM3420/3421 Org. Chem II w/lab** |  | **4** |  |
|  | **EDUC3100 Human Rel. for Educ.** | **3e** | | **3** |  | **SCIE3360 Meth. Of Teach Sci & Math** |  | **3** |  |
|  | **EDUC3580 Psych of Except Child & Adult** |  | | **3** |  | **EDUC3590 Ed. Psych & Measurement** |  | **3** |  |
|  | **BIOL2440 Fund. Of Plant Bio** |  | | **4** |  | **HLTH2100 First Aid\*\*\*\* OR HLTH1110** |  | **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** |
|  | **SCIEXXXX Phys. Science Elective** |  | |  |  | **EDUC4420 Secondary Student Teaching** |  | **14** |  |
|  | **EDUC3520 Gen. Secon. Methods** |  | | **3** |  |  |  |  |  |
|  | **EDUC4300 Sec. Classroom Mgt.** |  | | **3** |  |  |  |  |  |
|  | **EDUC4100 LEP** |  | | **2** |  |  |  |  |  |
|  | ENGL3XXX Advanced Comp | 3d | | 3 |  |  |  |  |  |
|  | Human Diversity | 4 | | 3 |  |  |  |  |  |
|  | **Total Hours** |  | |  |  | **Total Hours** |  |  |  |
|  | **Notes: EDUC3720 Sec. Education Practicum 2 s.h.** | | | | | | | | |
| **Updated:**  **3/6/2014** |  | | | | | | | | |
|  | **\*NOTE: For Basic Science majors who want an Iowa Teacher Cert. for a Secondary Science Endorsement in General Science must complete 24 s.h. in science to include: 12 s.h. in biological sciences, 3 s.h. in physics, 3 s.h. in chemistry, 6 s.h. of physical science (SCIE prefix) and the Secondary Education Program. (Discuss what Bio course sequence you might want to take).**  \*\*For those students not prepared to take the Calculus sequence, take College Algebra and Elementary Functions the freshman year and Calculus I and II the sophomore year.  \*\*\* Graduation requirement for all first time freshman.  \*\*\*\*ARC First Aid Card, and CPR Card will substitute for this requirement providing it is approved by the Health and Movement Science Division.  **NOTE:**  Apply to the Teacher Education Program during EDUC2420 Teacher Education Entry Workshop  **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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