|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **General Sciences:  Chemistry** | | | | | | | | |
| **Arkansas State University - Jonesboro** | | | | | | | | |
| **Degree:  Bachelor of Science in Education** | | | | | | | | |
| **Major:  General Sciences     Emphasis:  Chemistry** | | | | | | | | |
| **2019-2020** | | | | | | | | |
| Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters.  Developmental courses do not count toward total degree hours.  Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions.   In most cases, general education courses may be interchanged between semesters.    A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree.  Mandatory state and institutional assessment exams will be required during your degree program.  Failure to participate in required assessments may delay graduation. | | | | | | | | |
| **Year 1** | | | |  | **Year 1** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **PHYS 1003** | First Year Experience for Chemistry & Physics | **3** |  |  | **CHEM 1023** | Chemistry II | **3** |  |
| **CHEM 1013** | General Chemistry I | **3** | X |  | **CHEM 1021** | Chemistry II Lab | **1** |  |
| **CHEM 1011** | Chemistry I Lab | **1** | X |  | **ENG 1013** | Composition II | **3** | X |
| **ENG 1013** | Composition I | **3** | X |  | **SCOM 1203** | Oral Communications | **3** | X |
| **Gen Educ** | General education required course | **3** | x |  | **MATH 2204** | Calculus I | **4** |  |
| **Gen Educ** | General education required course | **3** | x |  | **elective** | elective | **1** |  |
| **Total Hours** |  | **16** |  |  | **Total Hours** |  | **15** |  |
| **Year 2** | | | |  | **Year 2** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **SCED 2513** | Introduction to Secondary Teaching | **3** |  |  | **PHYS 2044 or PHYS 2064** | University Physics II or General Physics II | **4** |  |
| **PHYS 2034 or PHYS 2054** | University Physics I or  General Physics  I | **4** |  |  | **CHEM 3054** | Quantitative Analysis | **4** |  |
| **CHEM 2004** | Descriptive Inorganic Chemistry | **4** |  |  | **CHEM 3113** | Organic Chemistry II | **3** |  |
| **CHEM 3103** | Organic Chemistry I | **3** |  |  | **CHEM 3111** | Laboratory for Organic Chemistry II | **1** |  |
| **CHEM 3101** | Laboratory for Organic Chemistry I | **1** |  |  | **elective** |  | **3** |  |
| **Total Hours** |  | **15** |  |  | **Total Hours** |  | **15** |  |
| **Year 3** | | | |  | **Year 3** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **HIST 2763 OR 2773** | US to 1876 or since 1876 | **3** | X |  | **POSC 2103** | Intro to US Government | **3** | X |
| **HLTH 2513** | Principles of Personal Health | **3** |  |  | **CHEM 3154** | Survey of Physical Chemistry | **4** |  |
| **PSY 2103** | Intro to Psychology | **3** | X |  | **BIO or BIOL** | Biology general education lecture requirement | **3** | X |
| **SCED 3515** | Performance Based Inst. Design | **5** |  |  | **BIO or BIOL** | Biology general education laboratory requirement | **1** | x |
| **elective** |  | **3** |  |  | **ELSE 3643** | Exceptional Student in the Regular Classroom | **3** |  |
|  |  |  |  |  | **elective** | elective | **1** |  |
| **Total Hours** |  | **17** |  |  | **Total Hours** |  | **15** |  |
|  |  |  |  |  |  |  |  |  |
| **Year 4** | | | |  | **Year 4** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **EDSC 4593** | Methods & Materials in the Secondary School | **3** |  |  | **TICH 4826** | Teaching Internship in the Secondary School | **12** |  |
| **SCED 4713** | Educational Measurement with Computer App. | **3** |  |  |  |  |  |  |
| **PSY 3703** | Educational Psychology | **3** |  |  |  |  |  |  |
| **elective** |  | **3** |  |  |  |  |  |  |
| **elective** | elective | **3** |  |  |  |  |  |  |
| **Total Hours** |  | **15** |  |  | **Total Hours** |  | **12** |  |
|  |  |  |  |  |  |  |  |  |
| **Total Jr/Sr Hours** | | **51** |  |  | **Total Degree Hours** | | **120** |  |
|  |  |  |  |  |  |  |  |  |
| **Graduation Requirements:** | | | | | | | | |
| Completion of HIST 2763 or HIST 2773 or POSC 2103 | | | | | | | | |
| English Proficiency (Grade of C or better in ENG 1003 and ENG 1013) | | | | | | | | |
| 2.50 GPA in Major | | | | | | | | |
| 2.50 GPA at ASU | | | | | | | | |
| 2.50 GPA Overall | | | | | | | | |
| Maximum of 31 credit hours via correspondence/extension/examination//PLA/Military/CLEP (30 hrs) or similar means | | | | | | | | |
| 45 JR/SR Hours after completing 30 hours | | | | | | | | |
| 120 Total Credit Hours | | | | | | | | |
| 18 of last 24 hours must be ASU-Jonesboro courses | | | | | | | | |
| Minimum of 57 hours from 4-year institutions | | | | | | | | |
| 32 Resident Hours if completing second degree | | | | | | | | |

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