|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BA Chemistry** | | | | | | | | |
| **Arkansas State University - Jonesboro** | | | | | | | | |
| **Degree:  Bachelor of Arts** | | | | | | | | |
| **Major:  Chemistry - General** | | | | | | | | |
| **2020-2021** | | | | | | | | |
| **Year 1** | | | |  | **Year 1** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **CHEM 1013** | General Chemistry I | **3** | x |  | **CHEM 1023** | General Chemistry II | **3** |  |
| **CHEM 1011** | Laboratory for General Chemistry I | **1** | x |  | **CHEM 1021** | Laboratory for General Chemistry II | **1** |  |
| **PHSC 1003** | Making Connections in Chemistry and Physics (FYE) | **3** |  |  | **ENG 1013** | Composition II | **3** | x |
| **ENG 1003** | Composition I | **3** | x |  | **BIO 2013** | Biology of the Cell | **3** | x |
| **Gen Educ** | General education required course | **3** | x |  | **BIO 2011** | Laboratory for Biology of the Cell | **1** | x |
| **elective** | elective | **2** |  |  | **elective** | elective | **4** |  |
| **Total Hours** |  | **15** |  |  | **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** |
| **CHEM 3103** | Organic Chemistry I | **3** |  |  | **CHEM 3113** | Organic Chemistry II | **3** |  |
| **CHEM 3101** | Laboratory for Organic Chemistry I | **1** |  |  | **CHEM 3111** | Laboratory for Organic Chemistry II | **1** |  |
| **CHEM 2004** | Descriptive Inorganic Chemistry | **4** |  |  | **Gen Educ** | General education required course | **3** | x |
| **MATH 2204** | Calculus I | **4** | X |  | **Gen Educ** | General education required course | **3** | x |
| **Gen Educ** | General education required course | **3** | x |  | **Gen Educ** | General education required course | **3** | x |
|  |  |  |  |  | **elective** | elective | **3** |  |
| **Total Hours** |  | **15** |  |  | **Total Hours** |  | **16** |  |
| **Year 3** | | | |  | **Year 3** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **PHYS 2034 or PHYS 2054** | University Physics I or General Physics I | **4** |  |  | **PHYS 2044 or PHYS 2064** | University Physics II or General Physics II | **4** |  |
| **CHEM 4243** | Biochemistry | **3** |  |  | **CHEM 3054** | Quantitative Analysis | **4** |  |
| **elective** | elective | **3** |  |  | **elective** | elective | **3** |  |
| **Gen Educ** | General education required course | **3** | x |  | **elective** | elective | **3** |  |
| **elective** | elective | **3** |  |  |  |  |  |  |
| **Total Hours** |  | **16** |  |  | **Total Hours** |  | **14** |  |
|  |  |  |  |  |  |  |  |  |
| **Year 4** | | | |  | **Year 4** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **elective** | elective | **3** |  |  | **CHEM 3154** | Survey of Physical Chemistry | **4** |  |
| **elective** | elective | **12** |  |  | **elective** | elective | **3** |  |
|  |  |  |  |  | **elective** | elective | **8** |  |
| **Total Hours** |  | **15** |  |  | **Total Hours** |  | **15** |  |
|  |  |  |  |  |  |  |  |  |
|  | |  |  |  | **Total Degree Hours** | | **120** |  |
|  |  |  |  |  |  |  |  |  |