|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Degree Title** | | | | | | | | |
| **Arkansas State University - Jonesboro** | | | | | | | | |
| **Bachelor of Science** | | | | | | | | |
| **Major:  Environmental Science** | | | | | | | | |
| **2017-2018** | | | | | | | | |
| 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.  It is important to note that some upper-level degree requirements may be courses that are only offered once every two years. Students and advisors must become familiar with the cycle of teaching these courses. Students and advisors must also be aware that some courses may be taught only in Fall or Spring semesters. 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** |
| BIO 1013 | Biology Making Connections | 3 |  |  | BIO 1503 | Biology of Plants | 3 |  |
| BIO 1303 | Biology of Animals | 3 |  |  | BIO 1501 | Biology of Plants Lab | 1 |  |
| BIO 1301 | Biology of Animals Lab | 1 |  |  | CHEM 1013 | General Chemistry I | 3 | X |
| ENG 1003 | Composition I | 3 | X |  | CHEM 1011 | General Chemistry I Lab | 1 | X |
| MATH 1054 | Precalculus | 4 | X |  | ENG 1013 | Composition II | 3 | X |
| BIOL 1063 | People and the Environment | 3 |  |  | MATH 2194 | Survey of Calculus | 4 |  |
| **Total Hours** |  | 17 |  |  | **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** |
| BIO 2013 | Biology of the Cell | 3 | X |  | BIO 3023 | Principles of Ecology | 3 |  |
| BIO 2011 | Biology of the Cell Lab | 1 | X |  | GEOL 1003/1001 | Environmental Geology / Lab | 4 |  |
| CHEM 1023 | General Chemistry II | 3 |  |  |  | OR |  |
| CHEM 1021 | General Chemistry II Lab | 1 |  |  | PHSC 1014 | Energy and the Environment |  |
| AGRI 3543 | Fundamentals of GIS/GPS | 3 |  |  |  | OR |  |
| SCOM 1203 | Oral Communication | 3 | X |  | PSSC 2813/2811 | Soils / Lab |  |
|  |  |  |  |  |  | Social Science | 3 | X |
|  |  |  |  |  | STAT 3233 | Applied Statistics I | 3 |  |
|  |  |  |  |  |  | Fine Arts | 3 | X |
| **Total Hours** |  | 14 |  |  | **Total Hours** |  | 16 |  |

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| **Year 3** | | | |  | **Year 3** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| BIO 3013 | Genetics | 3 |  |  |  | Choose one of the following | 3 |  |
| BIO 3011 | Genetics Lab | 1 |  |  | BIO 4623 | Environmental Microbiology |  |
| RET 3133 | Fundamentals and Applications of Renewable Energy | 3 |  |  | BIO 4633 | Environmental Toxicology Mechanisms and Impacts |  |
| CHEM 3103 | Organic Chemistry I | 3 |  |  |  | Choose 2 of the following | 6 |  |
| CHEM 3101 | Organic Chemistry Lab | 1 |  |  | BIO 3673 | Human Dimensions of Natural Resources |  |
|  | Electives | 4 |  |  | GEOG 4613 | Conservation of Natural Resources |  |
|  |  |  |  |  | BIO 4613 | Conservation Biology |  |
|  |  |  |  |  | POSC 4533 | Environmental Law and Administration |  |
|  |  |  |  |  | CHEM 3103 | Organic Chemistry II | 3 |  |
|  |  | CHEM 3101 | Organic Chemistry II Lab | 1 |  |
|  |  |  |  |  |  | OR |  |  |
|  |  |  |  |  | CHEM 3054 | Quantitative Analysis | 4 |  |
|  |  |  |  |  |  | US History (to or since 1876) or American Government | 3 | X |
| **Total Hours** |  | 15 |  |  | **Total Hours** |  | 16 |  |
|  |  |  |  |  |  |  |  |  |
| **Year 4** | | | |  | **Year 4** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| PHYS 2054 | General Physics I | 4 |  |  | BIO 4021 | Biological Seminar | 1 |  |
| GEOG 4113 | Water Resources Planning | 3 |  |  | GEOG 4623 | Environmental Management | 3 |  |
|  | Humanities | 3 | X |  |  | Elective | 3 |  |
|  | Electives | 4 |  |  |  | Elective | 3 |  |
|  |  |  |  |  |  | Social Science | 3 | X |
| **Total Hours** |  | 14 |  |  | **Total Hours** |  | 13 |  |
|  |  |  |  |  |  |  |  |  |
| **Total Jr/Sr Hours** | | 57 |  |  | **Total Degree Hours** | | 120 | |