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| **Degree Title** | | | | | | | | |
| **Arkansas State University - Jonesboro** | | | | | | | | |
| **Bachelor of Science** | | | | | | | | |
| **Major:  Wildlife, Fisheries & Conservation—Fisheries Emphasis** | | | | | | | | |
| **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 |
|  |  |  |  |  | MATH 2194 | Survey of Calculus | 4 |  |
| **Total Hours** |  | 14 |  |  | **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 |  | PHYS 2044 | University Physics II | 4 |  |
| CHEM 1023 | General Chemistry II | 3 |  |  |  | Social Science | 3 | X |
| CHEM 1021 | General Chemistry II Lab | 1 |  |  | STAT 3233 | Applied Statistics I | 3 |  |
|  | Social Science | 3 | X |  |  | Fine Arts | 3 | X |
| PHYS 2034 | University Physics I | 4 |  |  |  |  |  |  |
| **Total Hours** |  | 15 |  |  | **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 two of the following | 6 |  |
| BIO 3011 | Genetics Lab | 1 |  |  | BIO 3673 | Human Dimensions in Wildlife |  |
| BIO 4603 | Limnology | 3 |  |  | BIO 4613 | Conservation Biology |  |
| BIO 4601 | Limnology Lab | 1 |  |  | POSC 4533 | Environmental Law and Administration |  |
| BIO 4372 | Applied Fisheries | 2 |  |  | BIO 4312 | Fisheries Biology | 2 |  |
|  | OR |  |  |  | BIO 4311 | Fisheries Biology Lab | 1 |  |
| BIO 4362 | Applied Aquaculture | 2 |  |  | BIO 4302 | Aquatic Entomology Lab | 2 |  |
|  | US History (to or since 1876) or American Government | 3 | X |  | BIO 4301 | Aquatic Entomology | 1 |  |
|  |  |  | Humanities | 3 | X |
| SCOM 1203 | Oral Communication | 3 | X |  |  |  |  |  |
| **Total Hours** |  | 16 |  |  | **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** |
| AGRI 3543 | Fundamentals of GIS/GPS | 3 |  |  | BIO 4021 | Biological Seminar | 1 |  |
|  | Zoology elective | 3-4 |  |  | BIO 4443 | Fisheries Program Internship | 3 |  |
|  | Botany elective | 3-4 |  |  | BIO 4333 | Marine Biology | 3 |  |
|  | Elective | 3 |  |  |  | OR |  |  |
|  | Elective | 3 |  |  | BIO 3033 | Evolution | 3 |  |
|  |  |  |  |  | BIO 4402 | Ichthyology | 2 |  |
|  |  |  |  |  | BIO 4401 | Ichthyology Lab | 1 |  |
|  |  |  |  |  |  | Elective | 3-4 |  |
| **Total Hours** |  | 15-17 |  |  | **Total Hours** |  | 13-14 |  |
|  |  |  |  |  |  |  |  |  |
| **Total Jr/Sr Hours** | | 56-59 |  |  | **Total Degree Hours** | | 120 | |
|  |  |  |  |  |  |  |  |  |