

Degree Title
Arkansas State University - Jonesboro
Bachelor of Science

Major: Biological Sciences—Evolution, Ecology & Organismal Biology (EEOB)
2023-2024

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 | X |
| BIO 1303 | Biology of Animals | 3 | | BIO 1501 | Biology of Plants Lab | 1 | X |
| 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 2194 or MATH 2204 | Survey of Calculus or Calculus I | 4 | X | ENG 1013 | Composition II | 3 | X |
| | | | | | Social Science | 3 | X |
| Total Hours | | 14 | | Total Hours | | 14 | |

| 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 | | BIO 3023 | Principles of Ecology | 3 | |
| BIO 2011 | Biology of the Cell Lab | 1 | | CHEM 3103 | Organic Chemistry I | 3 | |
| CHEM 1023 | General Chemistry II | 3 | | CHEM 3101 | Organic Chemistry I Lab | 1 | |
| CHEM 1021 | General Chemistry II Lab | 1 | | PHYS 2064 | General Physics II | 4 | |
| PHYS 2054 | General Physics I | 4 | | | Social Science | 3 | X |
| | Social Science | 3 | X | SCOM 1203 | Oral Communication | 3 | X |
| | | | | | | | |
| Total Hours | | 15 | | Total Hours | | 17 | |

| 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 | | BIO 4083 | Evolution | 3 | |
| BIO 3011 | Genetics Lab | 1 | | BIO 4513 | Plant Physiology | 3-4 | |
| BIO 4043 | Biometry | 3 | | | OR | | |
| | OR | | | BIO 4443 | Comparative Animal Physiology | | |
| STAT 3233 | Applied Statistics I | | | BIO 4441 | Comparative Animal Physiology Laboratory | | |
| CHEM 3113 | Organic Chemistry II | 3 | | | Cell and Molecular Biology Choice Requirement | 3-4 | |
| CHEM 3111 | Organic Chemistry II Lab | 1 | | | Humanities | 3 | |
| | Microorganisms and microscopy Biology Choice Requirement | 3-4 | | | Elective | 3 | |
| | Fine Art | 3 | X | | | | |
| Total Hours | | 14-15 | | Total Hours | | 15-17 | |

| Year 4 | | | | Year 4 | | | |
|--------------------------|------------------------------|-------|--------|---------------------------|------------------------------|-----|--------|
| Fall Semester | | | | Spring Semester | | | |
| Course No. | Course Name | Hrs | Gen Ed | Course No. | Course Name | Hrs | Gen Ed |
| | Taxon-focused Elective | 3-4 | | BIO 4021 | Biological Seminar | 1 | |
| | Upper-level Biology Elective | 3 | | | Upper-level Biology Elective | 4 | |
| | Upper-level Biology Elective | 4 | | | Upper-level Biology Elective | 4 | |
| | Upper-level Biology Elective | 3 | | | Upper-level Biology Elective | 3 | |
| | Elective | 3 | | | Elective | 3 | |
| Total Hours | | 16-17 | | Total Hours | | 15 | |
| Total Jr/Sr Hours | | 55-59 | | Total Degree Hours | | 120 | |