

Biology
Arkansas State University - Jonesboro
Degree: Bachelor of Science
Major: Biology - Biology
2011-2012

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 |
| BIO 1103 | Biology of Plants | 3 | | CHEM 1013 | Chemistry I | 3 | x |
| BIO 1101 | Biology of Plants Lab | 1 | | CHEM 1011 | Chemistry I Lab | 1 | x |
| BIO 1913 | Making Connections In Biology | 3 | | MATH 1054 | Precalculus | 4 | |
| ENG 1003 | Composition I | 3 | x | ENG 1013 | Composition II | 3 | x |
| MATH 1023 | College Algebra | 3 | x | BIO 1043 | Biology of Animals | 3 | |
| PE 1002 | Concepts of Fitness | 2 | x | BIO 1041 | Biology of Animals Lab | 1 | |
| | | | | HIST 2763 or 2773 or POSC 2103 | US to 1876 or US since 1876 or Intro to US Government | 3 | x |
| Total Hours | | 15 | | Total Hours | | 18 | |
| Year 2 | | | | Year 2 | | | |
| Fall Semester | | | | Spring Semester | | | |
| Course No. | Course Name | Hrs | Gen Ed | Course No. | Course Name | Hrs | Gen Ed |
| CHEM 1023 | Chemistry II | 3 | | ENG 2003 or ENG 2013 or PHIL 1103 | Intro to Lit I or Intro to Lit II or Intro to Philosophy (if not taken for critical thinking requirement) | 3 | x |
| CHEM 1021 | Chemistry II Lab | 1 | | BIO 3023 | Principles of Ecology | 3 | |
| MATH 2054 | Survey of Calculus | 4 | | | | | |
| PHIL 1103 or PHIL 1503 or SCOM 1203 | Intro to Philosophy or Logic & Practical Reasoning or Oral Communications | 3 | x | BIO 3013 | Genetics | 3 | |
| BIO 1013 | Biology of the Cell | 3 | x | BIO 3011 | Genetics Lab | 1 | |
| BIO 1021 | Biology of the Cell lab | 1 | x | PHYS 2054 | Physics I | 4 | |
| Language | Foreign Language | 3 | | Language | Foreign Language | 3 | |
| Total Hours | | 18 | | 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 |

| | | | | | | | |
|--|--|------------|---------------|--|--|------------|---------------|
| Art 2503 or Mus 2503 or Thea 2503 | Fine Arts Visual or Musical or Theatre | 3 | x | HIST 2763 or 2773 or ECON 2313 or 2333 or POSC 1003 or 2103 or PSY 2013 or SOC 2013 | US to 1876 or US since 1876 or Principles of Macroeconomics or Economic Issues and concepts or Intro to Politics or Intro to US Government or Intro to Psychology or Intro to Sociology (select course not previously taken) | 3 | x |
| PHYS 2064 | Physics II | 4 | | BIO 4104 | Microbiology | 4 | |
| CHEM 3103 | Organic Chemistry I | 3 | | CHEM 3113 | Organic Chemistry II | 3 | |
| CHEM 3101 | Organic Chemistry I Lab | 1 | | CHEM 3111 | Organic Chemistry II Lab | 1 | |
| BIO 3302 | Comparative Anatomy | 2 | | BIO 3323 | Animal Physiology | 3 | |
| BIO 3312 | Comparative Anatomy Lab | 2 | | BIO 3321 | Animal Physiology Lab | 1 | |
| | | | | ANTH 2233 or HIST 1013 or 1023 or GEOG 2613 | Intro to Cultural Anthropology or World Civilization to 1660 or World Civ since 1660 or Intro to Geography | 3 | x |
| | | | | | | | |
| Total Hours | | 15 | | Total Hours | | 18 | |
| Year 4 | | | | Year 4 | | | |
| Fall Semester | | | | Spring Semester | | | |
| Course No. | Course Name | Hrs | Gen Ed | Course No. | Course Name | Hrs | Gen Ed |
| HIST 2763 or 2773 or ECON 2313 or 2333 or POSC 1003 or 2103 or PSY 2013 or SOC 2013 | US to 1876 or US since 1876 or Principles of Macroeconomics or Economic Issues and concepts or Intro to Politics or Intro to US Government or Intro to Psychology or Intro to Sociology (select course not previously taken) | 3 | X | Elective | Student's Choice | 3 | |
| ART or MUS or THEA 2503 or ENG 2003 or 2013 or PHIL 1103 | Fine Arts Visual or Musical or Theatre or Intro to Literature I or Intro to Literature II or Intro to Philosophy (select course not previously taken) | 3 | | BIO 4021 | Biological Seminar | 1 | |
| BIO 3303 | General Entomology | 3 | | BIO 4343 | Embryology | 3 | |
| BIO 3301 | General Entomology Lab (or for ZOO 3122/3132 Invertebrate Zoology in Spring) | 1 | | BIO 4341 | Embryology Lab | 1 | |
| STAT 3233 or CHEM 4243 | Applied Statistics or Biochemistry | 3 | | ELECTIVE | Student's Choice | 3 | |
| BIO 3532 | Plant Taxonomy | 2 | | | | | |
| BIO 3531 | Plant Taxonomy Lab | 1 | | Elective 3000/4000 | Student's Choice | 3 | |
| Total Hours | | 16 | | Total Hours | | 13 | |
| Total Jr/Sr Hours | | 46 | | Total Degree Hours | | 130 | |