**Biology B.S. Major in FOUR Academic Years Sample Schedule (2015-2018)**

This is a breakdown of how a student, knowing they wanted to be a Biology major upon entering OU, could complete the General Education, CAS Exploratory and major requirements within a 4-year period of time.

*Based on an ACT English of 16-27/SAT Writing 410-610 and* ***ACT Math 22-27/SAT Math (old)\*\*520-630; (new)\*\* 550-650*** *or AP/IB/CLEP equivalents.\**

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Fall | Winter | Total |
| 1 | 5 – **CHM 1440 & 1470** (CAS Exploratory)  4 – **BIO 1200** (G.E. Natural Science  4 – WRT 1050  4 – G.E. Category  TOTAL = 17 credit hours | 5 – **CHM 1450 & 1480** (CAS Exploratory)  4 – **BIO 1300**  1 – **BIO 1201**  4 – **MTH 1441**  4 – WRT 1060  TOTAL = 18 credit hours | 35 credits |
| 2 | 4 – **BIO 2600, 2640** (W), **or 2650** (F)  4 – **CHM 2340** (CAS Exploratory)  4 – **MTH 1222** or MTH 1554 (G.E. Formal Reasoning)  4 – G.E. Category  TOTAL = 16 credit hours | 4 – **BIO 3400**  4 – **CHM 2350**  2 – **CHM 2370**  4 – **STA 2222**  1 – **BIO Lab Elective 1**  TOTAL = 15 credit hours | 31 credits |
| 3 | 4 – **BIO 3232**  4 – **BIO 3340**  5 – **PHY 1010 & 1100**  4 – G.E. Category  TOTAL = 17 credit hours | 4 – **Cell/Molecular/BioMed Core**  1 – **BIO Lab Elective 2**  4 – **BIO 4000-level Lecture**  5 – **PHY 1020** **& 1110** (G.E. Knowledge Application)  TOTAL = 14 credit hours | 31 credits |
| 4 | 4 – **System Biology Core**  4 – **BIO 4000-level Lecture**  1 – **BIO Lab Elective 3**  4 – G.E. Category  4 – G.E. Category  TOTAL = 17 credit hours | 4 – **BIO 4970** (WIM and Capstone)  4 – **BIO Elective**  1 – **BIO Lab Elective 4**  4 – G.E. Category  TOTAL = 13 credit hours | 30 credits |
| Total = 127 credits | | | |

Note: The major is a minimum of 52 credits in biology. All BS majors take BIO 1200, 1300, 1201, 3232, 3400, 3340, & 4970 comprising 25 credits. In addition, students are required to select a course from each of three different areas of the major (Cell/Molecular/BioMedical, Systems Biology, and Systems Physiology), four laboratory courses at 3000 level or above, and three additional elective lecture courses, two of which must be at the 4000 level for a minimum of 27 additional credits. In addition, all students must complete 20 credits of chemistry, 10 credits of physics, 8 credits of mathematics and 4 credits of statistics The term “elective” may not be completely “free” in that this table does not address the university requirement of having 32 credits at the 3000/4000 level.

*\*\*SAT (old) refers to exams taken before March 2016.  SAT (new) refers to exams taken March 2016 and after.*

**Biology B.S. Major in FOUR Academic Years Sample Schedule (2015-2018)**

This is a breakdown of how a student, knowing they wanted to be a Biology major upon entering OU, could complete the General Education, CAS Exploratory and major requirements within a 4-year period of time.

*Based on an ACT English of 16-27/SAT Writing 410-610 and* ***ACT Math 0-21/SAT Math (old)\*\*0-510; (new)\*\* 0-540*** *or AP/IB/CLEP equivalents.\**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Year | Fall | | Winter | Summer | Total |
| 1 | 4 – MTH 0661 *(depends on placement)*  4 – **BIO 1200** (G.E. Natural Science)  4 – WRT 1050 *(depends on placement)*  4 – G.E. Category  TOTAL = 16 credit hours | | 4 – MTH 0662  4 – **BIO 1300**  1 – **BIO 1201**  4 – WRT 1060  4 – G.E. Category  TOTAL = 17 credit hours |  | 33 credits |
| 2 | 4 – **BIO 2600, 2640** (W), **or 2650** (F)  5 – **CHM 1440 & 1470** (CAS Exploratory)  4 – **MTH 1441**  4 – G.E. Category  TOTAL = 17 credit hours | | 4 – **BIO 3400**  5 – **CHM 1450 & 1480** (CAS Exploratory)  1 – **BIO Lab Elective 1**  4 – **MTH 1222** or MTH 1554 (G.E. Formal Reasoning)  TOTAL = 14 credit hours | 4 – **STA 2222**  TOTAL = 4 credit hours | 35 credits |
| 3 | 4 – **BIO 3340**  4 – G.E. Category  4 – **CHM 2340** (CAS Exploratory)  4 – **BIO Elective**  TOTAL = 16 credit hours | | 4 – **Cell/Molecular/BioMed Core**  1 – **BIO Lab Elective 2**  4 – **CHM 2350**  2 – **CHM 2370**  4 – **BIO 3232**  TOTAL = 15 credit hours | 4 – **Systems Biology Core**  TOTAL = 4 credit hours | 35 credits |
| 4 | 4 – **BIO 4000-level Lecture**  4 – **BIO 4000-level Lecture**  1 – **BIO Lab Elective 3**  4 – G.E. Category  5 – **PHY 1010 & 1100**  TOTAL = 18 credit hours | | 4 – **BIO 4970** (WIM and Capstone)  1 – **BIO Lab Elective 4**  4 – G.E. Category  5 – **PHY 1020** **& 1110** (G.E. Knowledge Application)  TOTAL = 14 credit hours |  | 32 credits |
|  | | Total = 135 credits | | | |

Note: The major is a minimum of 52 credits in biology. All BS majors take BIO 1200, 1300, 1201, 3232, 3400, 3340, & 4970 comprising 25 credits. In addition, students are required to select a course from each of three different areas of the major (Cell/Molecular/BioMedical, Systems Biology, and Systems Physiology), four laboratory courses at 3000 level or above, and three additional elective lecture courses, two of which must be at the 4000 level for a minimum of 27 additional credits. In addition, all students must complete 20 credits of chemistry, 10 credits of physics, 8 credits of mathematics and 4 credits of statistics The term “elective” may not be completely “free” in that this table does not address the university requirement of having 32 credits at the 3000/4000 level.

*\*\*SAT (old) refers to exams taken before March 2016.  SAT (new) refers to exams taken March 2016 and after.*