**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 Science4 – WRT 10504 – G.E. CategoryTOTAL = 17 credit hours | 5 – **CHM 1450 & 1480** (CAS Exploratory)4 – **BIO 1300**1 – **BIO 1201**4 – **MTH 1441**4 – WRT 1060TOTAL = 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. CategoryTOTAL = 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. CategoryTOTAL = 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. Category4 – G.E. Category TOTAL = 17 credit hours | 4 – **BIO 4970** (WIM and Capstone)4 – **BIO Elective** 1 – **BIO Lab Elective 4**4 – G.E. CategoryTOTAL = 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. CategoryTOTAL = 16 credit hours | 4 – MTH 06624 – **BIO 1300**1 – **BIO 1201**4 – WRT 10604 – 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. CategoryTOTAL = 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. Category4 – **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. Category5 – **PHY 1010 & 1100**TOTAL = 18 credit hours | 4 – **BIO 4970** (WIM and Capstone)1 – **BIO Lab Elective 4**4 – G.E. Category5 – **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.*