

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 (G.E. Natural Science and Exploratory) 4 – BIO 1200 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.

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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 (<i>depends on placement</i>) 4 – BIO 1200 4 – WRT 1050 (<i>depends on placement</i>) 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 (G.E. Natural Science and 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.

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