Biology B.S. major 4 Academic Year Plan (2015)

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 ACT of 16-27 English and 22-27 Math or AP/IB/CLEP equivalents.

<table>
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<tr>
<th>Year</th>
<th>Fall</th>
<th>Winter</th>
<th>Total</th>
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| 1    | 5 – CHM 144 & 147 (G.E. Natural Science and Exploratory)  
4 – BIO 111  
4 – WRT 150  
4 – G.E. Category  
TOTAL = 17 credit hours | 5 – CHM 145 & 148 (CAS Exploratory)  
4 – BIO 113  
4 – MTH 141  
4 – WRT 160  
TOTAL = 17 credit hours | 34 credits |
| 2    | 1 – BIO 116  
4 – BIO 207  
4 – CHM 234 (CAS Exploratory)  
4 – MTH 154 (G.E. Formal Reasoning)*  
4 – G.E. Category  
TOTAL = 17 credit hours | 4 – BIO 341  
4 – CHM 235  
2 – CHM 237  
4 – STA 228  
1 – BIO Lab Elective 1  
TOTAL = 15 credit hours | 32 credits |
| 3    | 4 – BIO 325  
4 – BIO 387  
5 – PHY 101 & 110  
4 – G.E. Category  
TOTAL = 17 credit hours | 4 – Cell/Molecular/BioMed Core  
1 – BIO Lab Elective 2  
4 – BIO 400-level Lecture  
5 – PHY 102 & 111 (G.E. Knowledge Application)  
TOTAL = 14 credit hours | 31 credits |
| 4    | 4 – System Biology Core  
4 – BIO 400-level Lecture  
1 – BIO Lab Elective 3  
4 – G.E. Category  
4 – G.E. Category  
TOTAL = 17 credit hours | 4 – BIO 495 (WIM and Capstone)  
4 – BIO Elective  
1 – BIO Lab Elective 4  
4 – G.E. Category  
TOTAL = 13 credit hours | 30 credits |

Note: *This course chosen from a list of possible options.

The major is a minimum of 52 credits in biology. All BS majors take BIO 111, 113, 116, 207, 325, 341, 387, and 495 comprising 29 credits. In addition, students are required to select a course from each of the two primary areas of the major (Cell/Molecular/BioMedical and Systems Biology), four laboratory courses above the introductory level and three additional elective lecture courses, two of which must be at the 400 level for a minimum of 23 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 300/400 level.