

# **BIOLOGY MAJOR COURSE OF STUDY**

Department of Biological Sciences  
College of the Sciences, Central Washington University

Student's Last Name, First Name, Initial ID# \_\_\_\_\_ DATE \_\_\_\_\_  
Email: \_\_\_\_\_

## **B.S. Biology – Organismal**

Catalog Yr. \_\_\_\_\_

### **A. Core Requirements:**

	<u>NUMBER</u>	<u>TITLE</u>	<u>CREDIT</u>	
1.	BIOL 110, 111, 112	Basic, Plant, Animal Biology	15	<input type="checkbox"/>
2.	BIOL 220	Introductory Cellular Biology	5	<input type="checkbox"/>
3.	BIOL 321	Genetics	5	<input type="checkbox"/>
4.	BIOL 360 BIOL 420	General Ecology OR Environmental Microbiology	5	<input type="checkbox"/>
5.	BIOL 441 BIOL 455	Plant Physiology OR Zoophysiology	5	<input type="checkbox"/>
6.	BIOL 470	Mechanisms of Evolution	3	<input type="checkbox"/>
7.	BIOL 499S BIOL 497	Senior Seminar (1) OR Honors Thesis (1-5)	1	<input type="checkbox"/>
8.	CHEM 181, 181 Lab, 182, 182 Lab, 183, 183 Lab	General Chemistry	15	<input type="checkbox"/>
9.	CHEM 361, 361 Lab, 362	Organic Chemistry	8	<input type="checkbox"/>
10	MATH 311 PSY 362	Statistical concepts (5) OR Introductory Statistics (4)	4-5	<input type="checkbox"/>
			<b>Core Total Credits</b>	<b>66-67</b>

### **B. Organismal Diversity Course Requirements:\***

Advanced Animal \_\_\_\_\_  
Advanced Plant \_\_\_\_\_  
Advanced Other \_\_\_\_\_

### **C. Specialization Course Requirements:**

Select two:

- |    |          |   |                                |
|----|----------|---|--------------------------------|
| 1. | BIOL 343 | Plant Anatomy (5)                         |                                |
|    | BIOL 353 | Comparative Vertebrate<br>Anatomy (6)     |                                |
|    | BIOL 354 | Embryology/Developmental<br>Biology (5)   |                                |
|    | BIOL 442 | Comparative Morphology<br>Vasc.Plants (5) |                                |
|    | BIOL 454 | Histology (5)                             | 10-11 <input type="checkbox"/> |

(Page 2 must be completed or this form will not be accepted)

Select one:

- |             |                             |
|-------------|-----------------------------|
| 2. BIOL 341 | Plant Taxonomy (5)          |
| BIOL 350    | Invertebrate Zoology (5)    |
| BIOL 351    | Entomology (5)              |
| BIOL 444    | Algology (5)                |
| BIOL 445    | Mushrooms and Puffballs (5) |
| BIOL 450    | Ichthyology (4)             |
| BIOL 451    | Herpetology (4)             |
| BIOL 452    | Ornithology (4)             |
| BIOL 453    | Mammalogy (5)               |

4-5

**D. Elective Course Requirements:**


17-20   
**Total Credits**      **100**

**COURSES TRANSFERRED FROM OTHER INSTITUTIONS:**

Other Institution	Course # and Title	CWU Course Equivalent	CWU Credit
1.			
2.			
3.			
4.			
5.			
6.			
7.			

**\* Organismal diversity requirement: All students in the Biology B.S. program must take at least one advanced (300 or 400 level) animal course, one advanced plant course, and one advanced course covering other organisms (fungi, protists, bacteria, viruses).** These courses may be contained within the Core or taken as electives. See department for list of approved courses in each category.

Student: \_\_\_\_\_  
Signature      Date

Advisor: \_\_\_\_\_  
Signature      Date      Print Name

Dept. Chair: \_\_\_\_\_  
Signature      Date