

## Bachelor of Arts Degree (BA) in Zoology - Requirements for the Major

Student Name \_\_\_\_\_ ID # \_\_\_\_\_ Dept. Advisor \_\_\_\_\_

Date of Entry (UNH) \_\_\_\_\_ Date of Entry into Major \_\_\_\_\_

### Discovery Requirements

Category	Course	Semester	Credits	Grade
Writing	ENGL 401	_____	4	_____
Quantitative Reasoning	BIOL 528 <sup>1</sup>	_____	4	_____
Biological Sciences <sup>2</sup>	BIOL 412	_____	4	_____
Physical Sciences <sup>2</sup>	PHYS 401	_____	4	_____
Fine and Performing Arts	_____	_____	_____	_____
Humanities	_____	_____	_____	_____
Historical Perspectives	_____	_____	_____	_____
World Cultures	_____	_____	_____	_____
Social Science	_____	_____	_____	_____
Env. Tech. and Society	_____	_____	_____	_____
Inquiry <sup>3</sup>	BIOL 412	_____	4	_____
Capstone <sup>3</sup>	_____	_____	_____	_____

### Biological Sciences Core Courses

Course	Semester	Credits	Grade
BIOL 412	_____	4	_____
BIOL 411	_____	4	_____
BIOL 541	_____	4	_____
BMCB 501	_____	5	_____
CHEM 411	_____	4	_____
GEN 604	_____	4	_____
MATH 424B or BIOL 528 or BIOL 55	_____	4	_____
PHYS 401	_____	4	_____
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<sup>1</sup>Or BIOL 555 Experimental Design & Analysis Lab

<sup>2</sup>These Discovery requirements are fulfilled by Biological Sciences Core courses.

<sup>3</sup>Capstone Course should be fulfilled by a major requirement. The Capstone must be taken the senior year, or after 90 credits have been taken.

Note: Students must receive a C- or better in all courses dealing with biological sciences (Biology, Zoology, Plant Biology, BMS, BMCB, Genetics and Natural Resources) that are used to satisfy major requirements.

### Zoology Major Requirements

All courses must be completed with a grade of C- or better

	Course	Semester	Credits	Grade
Intro to Zoology Seminar	ZOOL 400	_____	1	_____
<b>Morphology (choose 1)</b>				
Verebrate Morphology or	ZOOL 518 or	_____	5	_____
Marine Invert Evol & Ecol	ZOOL 628	_____	5	_____
<b>Physiology (1 course)</b>				
Principles Animal Phys/Lab*	ZOOL 625/626*	_____	5	_____
<b>Zoology Electivea</b>				
<b>Zoology Elective Courses (Choose 2)</b>				
Developmental Biology	ZOOL 529	_____	4	_____
Evolution	ZOOL 690	_____	4	_____
Animal Behavior	ZOOL 613	_____	4	_____
<b>Animal Survey Courses (choose 1)</b>				
Aquatic Animal Diversity	MEFB 527	_____	4	_____
Ornithology	ZOOL 542	_____	4	_____
Marine Invert Evol & Ecol	ZOOL 628	_____	4	_____
Icthyology	ZOOL 710	_____	4	_____
Mammalogy	NR 712	_____	4	_____
Biology & Diversity of Insect	ZOOL 745	_____	4	_____
<b>Biological Science Elective (1 course)</b>				

### Optional Courses recommended for professional schools

Course	Instead of	Credits	Grade
BMCB 658/659	_____	5	_____
MATH 424B and	_____	4	_____
BIOL 528 or BIOL 555	_____	4	_____
PHYS 402	_____	4	_____
CHEM 651/653	_____	5	_____
CHEM 652/654	free elective	5	_____
ENGL 501 or other	free elective	4	_____
(PA school only below)			
PSYC 401	_____	_____	_____
PSYC 402	BIOL 528	_____	_____
BMS 507	category 1	PA school	_____
BMS 508	category 1	PA school	_____

Foreign Language (required for BA, ASL will satisfy this language requirement)

### Writing Intensive Requirements (4 WI courses required)

ENGL 401	_____	_____	_____
BIOL 541 (in-major requirement)	_____	_____	_____
A WI course at 600 level or above	_____	_____	_____
Any additional WI course	_____	_____	_____

Capstone (maybe an Internship, Independent Study, Senior Thesis or a course designed as a

\*ZOOL 626 (recommended but not required for BA)

List of potential capstone courses on second page

# **Biology and Zoology BA/BS Capstone Experiences**

(April 8, 2014)

**Note: The Capstone must be taken during the senior year, or after 90 credits have been taken.**

## **Courses and Experiences that will satisfy or serve as the Capstone Experience**

BIOL/ ZOOLOGY 795 and 795W Independent investigations, with approval of advisor  
BIOL/ ZOOLOGY 797 Senior seminar  
BIOL/ ZOOLOGY 799 Honors Senior Thesis  
Capstone courses taught in other majors within DBS with approval of advisor

BIOL 700 Current and controversial issues in Biology  
BIOL 702 Techniques in Plant Physiology and Biochemistry  
BIOL 752 Mycology  
GEN 772 Evolutionary Genetics of Plants  
GEN 774 Techniques in plant genetic engineering and biotechnology  
INCO 790 Advanced Research Experience  
MEFB 702 Sustainable Marine Fisheries  
MEFB 719 Field Studies in Lake Ecology  
MEFB 722 Marine Phycology  
MEFB 725 Marine Ecology  
MEFB 732 Lakes Management  
NR 663 Applied Directed Research in New Zealand  
TECH 797 Undergraduate Ocean Research Project  
ZOOLOGY 690 Evolution  
ZOOLOGY 721 Aquatic Invasive Species  
ZOOLOGY 726 Conservation Behavior  
ZOOLOGY 733 Behavioral Ecology  
ZOOLOGY 736 Genes and Behavior  
ZOOLOGY 745 Insect Biology & Biodiversity  
**Shoals Courses (2 week courses):**  
BIOSM 365/MEFB 730: Underwater Research  
EAB 2012/MEFB 714: Field Animal Behavior

## **Informal experiences, often non-credit:**

IROP and SURF projects  
Internships  
Experiential activities deemed acceptable as a capstone experience by the advisor