Weber State University – ZOOLOGY MAJOR – *Marine Biology*

Bachelor of Science Degree (BS) 2023-Current

Paguired Zoology Courses:		Required Statistics Courses (minimum 1 course):	
Required Zoology Courses:	(4)		(2)
ZOOL 1110 LS Principles of Zoology	(4)	MATH 1160 (1040) QL Introduction to Statistics	(3)
ZOOL 2220 Diversity of Animals	(4)	MATH 3410 Probability and Statistics I	(3)
ZOOL 3200 Cell Biology	(4)	SOC 3600 Social Statistics	(3)
ZOOL 3300 Genetics	(4)	PSY 3600 Statistics in Psychology	(3)
ZOOL <u>3450</u> Ecology	(4)	Total Credit Hours	3
ZOOL 3600 Comparative Physiology	(4)		
ZOOL 3720 Evolution	(3)	Required Physics Courses (minimum 1 course):	
ZOOL 4990 Seminar	(1)	PHYS 1010 PS Elementary Physics	(3)
Total Credit Hours	28	PHYS 2010 PS College Physics I w/lab	(5)
		PHYS 2210 PS Physics for Sci. and Eng. I w/lab	(5)
Upper-division Zoology Electives (minimum 4 co	ourses):	Total Credit Hours	3-5
ZOOL <u>3470</u> Zoogeography	(3)		
ZOOL 3500 Conservation Biology	(3)	Elective Support Courses (minimum 4 courses, must i	
ZOOL 3730 Population Biology	(3)	least 1 BTNY or MICR; Courses taken with separate lat	os counts as
ZOOL 3820 Biology of Cancer	(3)	1 course):	
ZOOL 4050 Comparative Vertebrate Anatomy	(4)	Botany	
ZOOL 4100 Vertebrate Embryology	(4)	BTNY 1203 LS Plant Biology	(3)
	` /	BTNY 2104 Plant Form and Function*	(4)
ZOOL 4120 Histology	(4)	BTNY 2114 Evolutionary Survey of Plants*	(4)
ZOOL 4210 Advanced Human Physiology	(4)	BTNY 2303 Ethnobotany	(3)
ZOOL 4220 Endocrinology	(4)	BTNY 3105 Anatomy of Vascular Plants	(4)
ZOOL 4300 Research Applications in Genetics	(4)	BTNY 3204 Plant Physiology	(4)
ZOOL <u>4350</u> Animal Behavior	(4)	BTNY 3214 Soils	(4)
ZOOL 4470 Wildlife Ecology and Management	(4)		` '
ZOOL 4480 Aquatic Ecology	(4)	BTNY 3454 Plant Ecology	(4)
ZOOL 4490 Marine Ecology §	(4)	BTNY 3504 Mycology	(4)
ZOOL 4500 Parasitology	(4)	BTNY 3624 Taxonomy of Vascular Plants	(4)
ZOOL 4640 Entomology	(4)	Chemistry	
ZOOL 4650 Ichthyology	(4)	CHEM 2310 Organic Chemistry I	(4)
ZOOL 4660 Herpetology		with CHEM 2315Organic Chemistry I Lab	(1)
	(4)	CHEM 2320 Organic Chemistry II	(4)
ZOOL 4670 Ornithology	(4)	with CHEM 2325Organic Chemistry II Lab	(1)
ZOOL 4680 Mammalogy	(4)	CHEM 3070 Biochemistry I	(3)
ZOOL 4700 Topics in Zoology [^]	(3-4)	Earth and Environmental Sciences	` /
Total credit hours	12-16	GEO 3710 Intro to Geographic Information Systems^	(4)
		GEO 3840 Remote Sensing: Principles and	(4)
Experience in Zoology (minimum 2 credit hours		Methods [^]	(')
taken in the same or separate semesters - or select a			
5 th course from upper-division electives above		MATH 3450 Advanced Statistical Methods [^]	(4)
ZOOL 3099 Teaching the Human Anat. Lab.	(3)		(4)
ZOOL 3100 Advanced Human Anatomy	(3)	Microbiology	(4)
ZOOL 4800 Problems in Zoology	(1-4)	MICR 2054 LS Principles of Microbiology	(4)
ZOOL 4820 Human Physiol. Lab. Teach. Assist.	(1)	MICR 3053 Microbiological Procedures	(3)
ZOOL 4830 Readings in Zoology	(1-4)	MICR 3203 Immune System in Health & Disease	(3)
ZOOL 4890 Cooperative Work Experience	(1-4)	MICR 3254 Immunology	(4)
ZOOL 4920 Short Courses	(1-4)	MICR 3305 Medical Microbiology	(5)
ZOOL 4950 Field Zoology	(1-3)	MICR 3484 Environmental Microbiology	(4)
ZOOL <u>4970</u> Thesis		MICR 3853 Food Microbiology	(3)
	(2)	MICR 4054 Microbial Physiology	(4)
ZOOL 4980 Research Design	(2)	MICR 4554 Virology	(4)
Total credit hours	2	Neuroscience	(-/
Described Observictors Ossures		NEUR 2050 Introduction to Neuroscience [^]	(3)
Required Chemistry Courses:	(4)	Physics	(5)
CHEM 1210 PS Principles of Chemistry I	(4)	PHYS 2020 College Physics II w/lab	(5)
CHEM 1215 Principles of Chemistry I Lab	(1)	PHYS 2220 Physics for Sci. and Eng. II w/lab	(5)
CHEM 1220 Principles of Chemistry II	(4)	,	(5)
CHEM 1225 Principles of Chemistry II Lab	(1)	Zoology	(4)
Total credit hours	10	ZOOL 2100 Human Anatomy	(4)
		ZOOL 2200 <i>LS</i> Human Physiology	(4)
Required Math Courses (minimum 1 course):		Total credit hours	12-20
MATH 1050 QL College Algebra	(4)		
MATH 1060 Trigonometry	(3)		
MATH 1080 QL Pre-calculus	(5)	Note:	
MATH 1210 Calculus I	(4)	*Pre-Requisites for most upper-division Botany courses	
Total credit hours	3-5	^Class may not show in CatTracks; please see Departn	
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Courses with a § are strongly recommended

Please check the Catalog and CatTracks for Pre-Requisites & Co-Requisites
Please meet with a **Zoology** advisor (Dr. Brasso) for course planning.

Worksheet is for Zoology major coursework and does not include minor or university coursework.

40 credit hours must be 3000 level or higher (upper division) for the Bachelor of Science degree.