

Weber State University – ZOOLOGY MAJOR
Bachelor of Science Degree (BS) – 2017-2018

Required Zoology Courses:

ZOOL LS 1110 Principles of Zoology I	(4)	_____
ZOOL 1120 Principles of Zoology II	(4)	_____
ZOOL 3200 Cell Biology	(4)	_____
ZOOL 3300 Genetics	(4)	_____
ZOOL 3450 Ecology	(4)	_____
ZOOL 3600 Comparative Physiology	(4)	_____
ZOOL 3720 Evolution	(3)	_____
ZOOL 4990 Seminar	(1)	_____
Total credit hours		28

Upper-division Zoology Electives

(minimum 4 courses from following):

ZOOL 3470 Zoogeography	(3)	_____
ZOOL 3500 Conservation Biology	(3)	_____
ZOOL 3730 Population Biology	(3)	_____
ZOOL 4050 Comparative Vertebrate Anatomy	(4)	_____
ZOOL 4100 Vertebrate Embryology	(4)	_____
ZOOL 4120 Histology	(4)	_____
ZOOL 4210 Advanced Human Physiology	(4)	_____
ZOOL 4220 Endocrinology	(4)	_____
ZOOL 4250 Radiation Biology	(4)	_____
ZOOL 4300 Molecular Genetics	(4)	_____
ZOOL 4350 Animal Behavior	(4)	_____
ZOOL 4470 Wildlife Ecology & Management	(4)	_____
ZOOL 4480 Aquatic Ecology	(4)	_____
ZOOL 4500 Parasitology	(4)	_____
ZOOL 4600 Protozoology	(4)	_____
ZOOL 4640 Entomology	(4)	_____
ZOOL 4650 Ichthyology	(4)	_____
ZOOL 4660 Herpetology	(4)	_____
ZOOL 4670 Ornithology	(4)	_____
ZOOL 4680 Mammalogy	(4)	_____
ZOOL 4900 Topics in Zoology	(3-4)	_____
Total credit hours		12-16

Experience in Zoology

(minimum 2 credit hours* from following, or select an additional

[5th] course from upper-division electives above):		
ZOOL 3099 Teaching Human Anat. Lab.	(3)	_____
ZOOL 3100 Advanced Human Anatomy	(3)	_____
ZOOL 4800 Problems in Zoology	(1-4)	_____
ZOOL 4820 Human Physiol. Lab. Teach. Assist.	(1)	_____
ZOOL 4830 Readings in Zoology	(1-4)	_____
ZOOL 4890 Cooperative Work Experience	(1-4)	_____
ZOOL 4920 Short Courses	(1-4)	_____
ZOOL 4950 Field Zoology	(1-3)	_____
ZOOL 4970 Thesis	(2)	_____
ZOOL 4980 Research Design	(2)	_____
Total credit hours		2

Required Chemistry Courses:

CHEM PS 1210 Principles of Chemistry I**	(5)	_____
CHEM 1220 Principles of Chemistry II	(5)	_____
Total credit hours		10

Required Math Courses (minimum 1 course from following):

MATH 1050 College Algebra	(4)	_____
MATH 1080 Pre-Calculus	(5)	_____
MATH 1210 Calculus I	(4)	_____
Total credit hours		4-5

Required Statistics Courses (minimum 1 course from following; courses taken with separate labs count as 1 course):

MATH 1040 Introduction to Statistics	(4)	_____
MATH 3410 Probability & statistics I	(3)	_____
SOC 3600 Social Statistics	(3)	_____
PSY 3600 Psychology Statistics	(3)	_____
with PSY 3605 Psychology Statistics Lab	(1)	_____
Total credit hours		3-4

Required Physics Courses (minimum 1 from following):

PHYS PS 1010 Elementary Physics**	(3)	_____
PHYS PS 2010 College Physics I w/lab**	(5)	_____
PHYS PS 2210 Physics for Scientists & Engineers I w/lab **	(5)	_____
Total credit hours		3-5

Elective Support Courses (4 from following, include at least 1 BTNY or MICR; courses taken with separate labs count as 1 course):

Botany		
BTNY LS 1203 Plant Biology**	(3)	_____
BTNY 2104 Plant Form & Function	(4)	_____
BTNY 2114 Evolutionary Survey of Plants	(4)	_____
BTNY DV 2303 Ethnobotany**	(3)	_____
BTNY 3204 Plant Physiology	(4)	_____
BTNY 3105 Anat. & Morph. of Vascular Plants	(5)	_____
BTNY 3214 Soils	(4)	_____
BTNY 3454 Plant Ecology	(4)	_____
BTNY 3504 Mycology	(4)	_____
BTNY 3514 Algology	(4)	_____
BTNY 3523 Marine Biology	(3)	_____
BTNY 3624 Taxonomy Vascular Plants	(4)	_____
BTNY 3644 Intermountain Flora	(4)	_____
BTNY 4113 Plant Evolution	(3)	_____

Chemistry		
CHEM 2310 Organic Chemistry I	(4)	_____
with CHEM 2315 Organic Chemistry I lab	(1)	_____
CHEM 2320 Organic Chemistry II	(4)	_____
with CHEM 2325 Organic Chemistry II lab	(1)	_____
CHEM 3070 Biochemistry	(4)	_____

Microbiology		
MICR LS 2054 Principles of Microbiology**	(4)	_____
MICR 3053 Microbiological Procedures	(3)	_____
MICR 3203 Immune System in Health & Disease	(3)	_____
MICR 3254 Immunology	(4)	_____
MICR 3305 Medical Microbiology	(5)	_____
MICR 3484 Environmental Microbiology	(4)	_____
MICR 3853 Food Microbiology	(3)	_____
MICR 4054 Microbial Physiology	(4)	_____
MICR 4554 Virology	(4)	_____

Physics		
PHYS 2020 College Physics II w/lab	(5)	_____
PHYS 2220 Physics for Scientists & Engineers II w/lab	(5)	_____

Zoology		
ZOOL 2100 Human Anatomy	(4)	_____
ZOOL LS 2200 Human Physiology	(4)	_____
Total credit hours		12-20

Notes:

**Courses with DV designation count toward the Diversity General Education requirement; courses with LS or PS designations count toward Life Science or Physical Science General Education requirements.

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

Please meet with a **Zoology** advisor for course planning.

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