



Wyoming Transfer Alignment Guide (WyoTAG)

Zoology majors explore form, function, behavior, ecology, evolution and conservation of animals and hone analytical, writing, and research skills for diverse careers from graduate school to state and federal agencies, consulting, and nonprofits.

Zoology is the study of animals: their structure, physiology, development and evolution. One of the enduring fascinations of zoology is that we can learn so much about ourselves and our environment by studying what our fellow creatures do.

At the end of this program students will have a comprehensive knowledge of zoology, will be well prepared for graduate education, and will be equipped to enter any of the many employment opportunities that are available.

This degree requires that The University Studies Program 2015 requirements are met before graduation. Some of the courses required for this major fulfill USP requirements, but not all. Students should check their degree evaluations and consult with their assigned academic advisor to discuss their specific course plan.

Note: FYS courses have been paused. 3 hours from any additional USP designated courses is still required.

[illegible]

Foundation Courses - (MATH 1450 may substitute for MATH 1400 and MATH 1405) Continued

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
CHEM 1020 - General Chemistry I PN	4	X	X	X	X	X	X	X
CHEM 1030 - General Chemistry II PN	4	X	X	X	X	X	X	X
CHEM 2230 - Quantitative Analysis OR CHEM 2300 - Introductory Organic Chemistry OR CHEM 2420 - Organic Chemistry I OR CHEM 3550 - Physical Chemistry for the Life Sciences OR CHEM 4050 - Solar Energy Conversion OR CHEM 4230 - Instrumental Methods of Chemical Analysis OR CHEM 4400 - Biological Chemistry	3-5	Note 2	Note 2	Note 2		Note 2	Note 2	
PHYS 1110 - General Physics I PN	4	X	X	X	X	X	X	X
PHYS 1120 - General Physics II PN	4	X	X	X	X	X	X	X
LIFE 1010 - General Biology PN	4	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
LIFE 2022 - Animal Biology	4	Note 4	Note 4		Note 4	Note 4		Note 4
LIFE 3400 - General Ecology	3	Note 5	Note 5	Note 5	Note 5	Note 5	Note 5	Note 5
LIFE 3500 - Evolutionary Biology	3	Note 5	Note 5	Note 5	Note 5	Note 5	Note 5	Note 5

Course Name	Credits	
CHEM 3550 - Physical Chemistry for the Life Sciences	3	UW Course
LIFE 3050 - Genetics	4	UW Course
ZOO 4200 - Applied Principles of Science Communication C3 OR (ZOO 4100 - Scientific Communication AND ZOO 4101 - Scientific Communication Lab) OR approved USP C3 substitute.	3	UW Course

Advanced Zoology Course

* if more than one of the required courses is completed, additional courses can count towards the Zoology Approved Core Electives below.

Course Name	Credits	
ZOO 4330 - Ichthyology	3	UW Course
ZOO 4350 - Ornithology	3	UW Course
ZOO 4370 - Mammalogy	3	UW Course
ZOO 4380 - Herpetology	3	UW Course
ZOO 4540 - Invertebrate Zoology	4	UW Course

Zoology Approved Core Elective

A minimum of 10 of 18 Zoology Approved Core Electives must be exclusive to the ZOOL major.

Choose a total of 18 credits from:

Course Name	Credits	
ZOO 3115 - Human Systems Physiology	4	UW Course
ZOO 3600 - Principles of Animal Behavior	3	UW Course
ZOO 4195 - Comparative Environmental Physiology Lab	2	UW Course
ZOO 4235 - Marine Biology	3	UW Course
ZOO 4300 - Wildlife Ecology and Management	5	UW Course
ZOO 4310 - Fisheries Management	3	UW Course
ZOO 4330 - Ichthyology	3	UW Course
ZOO 4340 - Developmental Biology and Embryology	4	UW Course
ZOO 4350 - Ornithology	3	UW Course
ZOO 4370 - Mammalogy	3	UW Course
ZOO 4380 - Herpetology	3	UW Course
ZOO 4540 - Invertebrate Zoology	4	UW Course
ZOO 4400 - Population Ecology	3	UW Course
ZOO 4415 - Behavioral Ecology	3	UW Course
ZOO 4420 - Conservation Biology	3	UW Course
ZOO 4430 - Freshwater Ecology Lab	2	UW Course
ZOO 4440 - Freshwater Ecology	3	UW Course
ZOO 4735 - Advanced Topics in Physiology	14	UW Course

Other Approved Electives

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
ANSC 3150 - Equine Nutrition and Physiology	3		X					

Course Name	Credits	
ANSC 3010 - Domestic Animal Systems Physiology	4	UW Course
ANSC 3100 - Principles of Animal Nutrition	3	UW Course
BOT 4235 - Marine Biology	3	UW Course
BOT 4550 - Computational Biology	4	UW Course
BOT 4664 - Special Topics in Evolution	1-4	UW Course
BOT 4790 - Special Topics in Ecology	1-3	UW Course
GEOG 3480 - Environmental Change	3	UW Course
ENTO 4300 - Insect Ecology	3	UW Course
ENTO 4682 - Insect Anatomy and Physiology	5	UW Course
ENTO 4678 - Aquatic Entomology	4	UW Course
ENTO 4684 - Classification of Insects	4	UW Course
PATB 4170 - Diseases of Wildlife	3	UW Course
PATB 4500 - Veterinary Parasitology	4	UW Course
PATB 4710 - Medical Virology	3	UW Course

Notes:

Note 1: All Wyoming community colleges offer STAT 2050 or STAT 2070 or both. SOC 2070 is only offered at UW. EWC offers BIOL 2100 which is equivalent to LIFE 2100.

Note 2: CHEM 2230 is offered at Casper, CWC, and Northwest. CHEM 2300 is offered at Casper, CWC, EWC, Sheridan, and Northwest.

Note 3: All Wyoming community colleges offer BIOL 1010 which is equivalent to LIFE 1010.

Note 4: BIOL 2022 is equivalent to LIFE 2022.

Note 5: The following substitutions have been approved as substitutions: BIOL 2400 will satisfy LIFE 3400, BIOL 2410 will satisfy LIFE 3410.

Note 6: BIOL 2200 at Sheridan is approved to satisfy LIFE 3050 for this program; students should connect with their UW advisor upon

enrolling.

Note 7: BIOL 2020 at EWC, Sheridan, and Northwest is approved to satisfy LIFE 2022 or 2023 for this program; students should connect with their UW advisor upon enrolling.

Concurrent majors are available through the Haub School. Students who are interested in learning more should contact the department upon enrolling at the University of Wyoming.

COURSE SUBSTITUTIONS: WyoTAGs reflect published equivalencies. UW academic departments occasionally arrange for course substitutions when indirect equivalencies exist. Please contact your UW Academic Advisor for details.

EFFECTIVE DATE: This document is in effect as of the 2026-2027 catalog year; it reflects the published UW curriculum as of that date. Any changes to the UW curriculum or the WYCC course equivalents will require this document to be updated. To request an updated document, faculty should contact transfer@uwyo.edu via email.