Zoo Sciences and Applied Conservation Biology

General St

General Studies:			
Composition & Oral Communication	Outcome (6-10 d	credit hours)	
2-3 courses, grade of C or be	tter required		
ENG 101 and ENG 102		COM 101	
OR		(required for all students)	
ENG 103	_		
Analysis Outcome (3 credit hours; 7-	11 credit hours o	of MATH and BIO/CHEM/PHYS s	atisfied
within major requirements)			
Students must take one cour	se:		
COM 203 (Arg/Debate)	_	LING 150 (Intro Ling)	
ECON 103 (Microecon)	_	PHIL 210 (Logic)	
FIN 131 (Financial Lit)	_	PSYC 101 (Intro to Psych)	_
Cultural Literacy Outcome (18 credit	hours)		
Students must take courses f	from each literac	y block as directed:	
History (1 Course)		<u>Literature (1 Course)</u>	
HIST 103, 104, 210, 211	_	ENG 202, 204, 205, 214, 215	_
Arts & Humanities (2 Courses	<u>s)</u>	Social Sciences (2 Courses)	
1 courses from each group		2 courses from different grou	ps
GROUP I:		GROUP I:	
ART 140, 341, 343,		GEO 205, 206	
MUS 130, 132, 133, 134			
THE 100, 300	_	GROUP II:	
		POLS 101, 201, 202	
GROUP II:			
PHIL 201, 205		GROUP III:	
REL 250, 335		SOC 150, SWK 201	
Any FREN or SPAN			
SPA 252	_		
Students are admitted to Zoo Sciences and A	Applied Conserva	ition based on separate applica	tion:
students not meeting the minimum 22 Math			
Sciences major but will take the same course		•	•
transition from pre-Zoo Sciences to Zoo Scie			•
a cumulative GPA of 2.5 in science and math	and complete a	minimum of 50 hours/semeste	er of
animal husbandry with the WLU Zoo Science	es animal collection	on for a minimum total of 200 h	nours by
the end of the fourth semester of study. Plea			-
Core Courses: (25-27 hours)			

Approved 11/2015; effective Fall 2016; revised 2/26/2016; updated 12/19/2016; revised 4/11/2017; revised April/2019; revised 1/14/2020; revised 3/9/2021; revised 4/2021

__/_

BIO 221 (Biostats)

/

BIO 124/125^t (Prin Bio; F/S)

BIO 200 (Botany & lab; F/S)	_	MATH 160 ^t (Stats)	_
BIO 202/203 (Zoo/lab; F/S)	_/_	CHEM100/101 ^t (Foundations)	_/
BIO 207 (Funds Eco&Biodiv)	_		

[†]Courses fulfill General Studies Analysis Outcome for Quantitative and Scientific blocks.

Required Courses (36 hours):

BIO 180 (Prin. Zoo/Aquar Sci)	_ (3h) ¹	BIO 404/405 (Ecology/lab)	(4h)
BIO 181 (Zoo Sci training)	(0h)*	BIO 406 (Field Biology/lab)	(4h)
BIO 280 (Zoo Education)	_ (3h)¹	BIO 440 (Conserv Bio/lab)	(4h)
BIO 380 (Zoo Ornithology/lab) _	_ (4h)¹	BIO 450 (Zoo An Behav/lab)	(4h) ¹
BIO 382 (Zoo Herp/lab)	_ (4h)¹	BIO 480 (Bio Capstone)	(2h)
BIO 384 (Zoo Mamma/lab)	(4h)¹		

Zoo Sciences Track (14h)

BIO 426 (Comp An Phys/lab)	(4h)
BIO 452 (Zoo Anim Med/lab)	(4h) ¹
BIO 454 (Internship)	(6h) ¹ – two 3 credit internships

Applied Conservation Track (13h)

BIO 386 (Applied Con/lab)	(4h) ¹
BIO 428 (Evolutionary Bio)	(3h)
BIO 471 (Con Practicum)	(6h) ¹ -this practicum is two 3 credit courses

General Electives: Any 300-400 level general electives to total 120h (approximately 13-18 credit hours; 120h required for graduation).

Courses are not offered every semester/year; please consult with Biology advisor.

A cumulative GPA of 2.50 is required for all math and science courses, with a grade no lower than "C" in these courses.

Other Requirements:

A ten-week summer internship between the sophomore and junior year of study at an AZA-accredited zoo is required.

Approved 11/2015; effective Fall 2016; revised 2/26/2016; updated 12/19/2016; revised 4/11/2017; revised April/2019; revised 1/14/2020; revised 3/9/2021; revised 4/2021

^{*}all students in the Zoo Sciences and Applied Conservation major must take a mandatory husbandry training course while they are conducting the 200 volunteer hours.

¹These courses (9) will have a Zoo Sciences and Applied Conservation course fee.

Students must volunteer with the Zoo Science animal collection and applied conservation labs for a minimum of 50 hours per semester for a total of 200 hours during the freshman and sophomore years of study as a pre-requisite for experience.

During the junior and senior year of study, students focusing on animal husbandry must complete two semesters (springs and/or falls) interning at an AZA-accredited facility; suggested semester schedules: 9-12 credit hours of coursework plus 3 credit hours of internship credit for the Zoo experience. Students in the Applied Conservation track must complete two conservation practicums with either applied conservation faculty at WLU or with approved conservation specialists in the field.