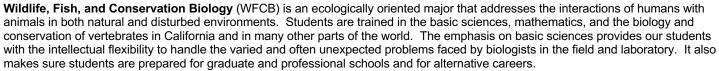
WFCB Bachelors of Science (BS) Requirements⁺





Preparatory Subject Matter Requirements (2023–2024)

Preparatory Subject Mat	ter (57-59 Units)	Quarter(s) Offered***	Units	Completed	Notes
Written Expression				•	
University Writing Program 1	Expository Writing	I, II, III, IV	4		
Oral Expression					
Communication 1	Introduction to Public Speaking	I, II, III, IV	4		
Chemistry					
Chemistry 2A	General Chemistry	I, II, IV	5		
Chemistry 2B	General Chemistry	II, III, IV	5		
Chemistry 8A	Organic Chemistry	I, III, IV	2		
Biological Sciences					
BIS 2A	Introductory Biology	I, II, III, IV	5		
BIS 2B	Introductory Biology	I, II, III, IV	5		
BIS 2C	Introductory Biology	I, II, III, IV	5		
Mathematics					
Mathematics 17A	Short Calculus	I, II, III, IV	3		
Mathematics 17B	Short Calculus	I, II, III, IV	3		
Physics					
Physics 1A	Principles of Physics	I, II	3		
Physics 1B	Principles of Physics	II, III	3		
Statistics (Choose one of the	e followina)				
	Applied Statistics for Wildlife Research	II	4		
Statistics 100	Applied Statistics for Bio Sciences	I, II, III, IV	4		
Plant Sciences 120	Applied Statistics in Ag Science	1	4		
Data Literacy					
WFC 098	Data Literacy for Wildlife Biologists	1	3		
Wildlife & Conservation (0	Choose one of the following)				
	Wildlife Ecology and Conservation	I, III	4		
WFC 50	Natural History of CA Vertebrates	II	3		

⁺This checklist is to be used for guidance purposes. Other courses may be listed in course catalog that are not shown here due to them being offered irregularly.

I = fall quarter, II = winter quarter, III = spring quarter, IV = summer session

^{***}Course offerings are subject to change. Check with your adviser for the most updated listings.

Depth Subject Matter Requirements

NOTE: Students graduating with this major are required to attain at least a C average (2.0 GPA) in all courses taken at the university in Depth Subject Matter and Area of Specialization and pass all coursework. See requirements of the College in the UCD General Catalog.

Depth Subject M		Prerequisites	Qtr(s)	Units	Completed
Ecology (Choose ESP 100 EVE 101	e one of the following) General Ecology Introduction to Ecology	BIS 2A-C; MAT 16A-B; STA 13 recommended BIS 2A-C; MAT 16A-B (or equiv.)	I, II, IV I, II, III, IV	4	
Evolution EVE 100	Introduction to Evolution	BIS 2ABC, MAT 16AB or 17AB or 21AB, STA 100 recommended	I, II, III, IV	4	
Physiology WFC 130	Physiological Ecology	EVE 101 or ESP 100 or equivalent	II	4	
Animal Behavio NPB 102 WFC 141	Or (Choose one of the following) Animal Behavior Behavioral Ecology	BIS 2A-C EVE 101 or ESP 100 or equivalent	I, II, III, IV III	3 4	
Conservation B WFC 154	Biology Conservation Biology	BIS 2B or equivalent	II	4	
Population Biol WFC 122 WFC 124 ^{††}	Population Dynamics and Estimation	MAT16A-B; STA13 or equiv; EVE 101, ESP 100, or equiv	III TBA	4	
	Sampling Animal Populations	ESP 100 or EVE 101; WFC 103 or STA 100 or PLS 120	IDA	4	
WFC 110 WFC 110L WFC 111 WFC 111L WFC 120 WFC 120L WFC 134 WFC 134L	re (Choose 3 lecture courses and 2 laboratory cour Biology & Conservation of Wild Mammals Lab in Biology & Conservation of Wild Mammals Biology & Conservation of Wild Birds Lab in Biology & Conservation of Wild Birds Biology & Conservation of Fishes Lab in Biology & Cons of Fishes Herpetology Herpetology Laboratory	BIS 2A-C; EVE 101 or ESP 100 or equivalent WFC 110 (may be concurrent); consent of instructor BIS 2A-C, upper division ecology recommended WFC 111 (may be concurrent); consent of instructor BIS 2ABC, upper division ecology recommended WFC 120 (may be concurrent) BIS 2ABC, upper division ecology recommended WFC 134 concurrently	 	3 3 3 3 2 3 3	
Research Methor WFC 100 WFC 101/Leven	ods (Choose one of the following) Field Methods in Wildlife, Fish, & Cons. Bio Field Research in Wildlife Ecology + Lab	BIS 2ABC, EVE 101 or ESP 100 Consent of instructor; ESP 100 or EVE 101; WFC 103 or STA 100 or PLS 120; WFC 110 or WFC 111 or WFC 134	III I	4 2/4	
WFC 102/L ^{odd}	Field Research in Fish Ecology + Lab	Consent of instructor; ESP 100 or EVE 101; WFC 103 or STA 100 or PLS 120; WFC 120; one aquatic biology course	III	1/6	
GIS Technology ABT/LDA 150	y (Strongly recommended, but not required) Geographic Info Systems	PLS 21 or equivalent with consent of instructor	I	4	
Anatomy (Strong APC 100	gly recommended, but not required) Comparative Organology of Vertebrates	BIS 2A-B	II	4	
Statistics (Strong STA 104 odd STA 106 STA 108	gly recommended, but not required) Nonparametric Statistics Analysis of Variance Regression Analysis	STA 13, 32, or 100 STA 13, 32, or 100 STA 13, 32, or 100	II I, II, IV I, II, III, IV	4 4 4	

odd Course is offered in odd years only (2017, 2019, etc.); **complete a major modification petition to use this course until its addition is formally recognized by campus. ***Course offerings are subject to change. Check with your adviser for the most updated listings. **Truture availability unknown

Wildlife Health



Required Courses		Prerequisites	Qtr(s)	Units	Completed
	dlife Ecology (Choose one of the following)			_	
WFC 151	Wildlife Ecology	BIS 2B	I	4	
WFC 168	Climate Change Ecology	BIS 2B	II	4	
Complete eith	ner BIS 102/103 or ABI 102/103				
BIS 102	Structure & Function of Biomolecules	BIS 2A; CHE 8B, 118B, or 128B	I, II, III, IV	3	
BIS 103	Bioenergetics & Metabolism	BIS 102	I, II, III, IV	3	
ABI 102	Animal Biochemistry & Metabolism	CHE 2A-B; CHE 8A-B or CHE 118A-B	I	5	
ABI 103	Animal Biochemistry & Metabolism	ABI 102	II	5	
Choose one V	Vildlife course				
	annot be used to simultaneously satisfy a depth ar				
WFC 110	Biology & Conservation of Wild Mammals	BIS 2A-C; EVE 101 or ESP 100 or equivalent	III	3	
WFC 111	Biology & Conservation of Wild Birds	BIS 2ABC, upper division ecology recommended	I .	3	
NFC 120	Biology & Conservation of Fishes	BIS 2ABC, upper division ecology recommended	I	3	
WFC 122 ^{††}	Population Dynamics and Estimation	MAT16A-B; STA13 or equiv; EVE 101, ESP 100, or equiv	III	4	
NFC 124	Sampling Animal Populations	ESP 100 or EVE 101; WFC 103 or STA 100 or PLS 120	TBA	4	
VFC 125 even	Tropical Ecology and Conservation	ESP 100 or EVE 101 or equivalent	I	4	
VFC 134	Herpetology	BIS 2ABC, upper division ecology recommended	II	3	
VFC 136 even	Ecology of Waterfowl & Game Birds	WFC 111, 111L, or equivalent, or consent of instructor	II.	3	
VFC 137* even	Applied Fisheries Conservation	WFC 120/L or WFC 110/L or WFC 111/L or WFC 134/L	III	3	
NFC 141	Behavioral Ecology	ESP 100 or EVE 101 or equivalent	III II	4	
VFC 152 ^{odd} VFC 155	Ecology of Human-Wildlife Conflicts Wildlife Space Use & Habitat Conservation	BIS 002B; Or equivalent ESP 100 or EVE 101		3 4	
WFC 168	Climate Change Ecology	BIS 2B	l II	4	
NFC 198 ^{even}	Freshwater Ecology	BIS 2C or equivalent	III	3	
WFC 198	Wetland Ecology	BIS 2C or equivalent	iii	4	
Channa ana (General course				
APC 100 APC 100	Comparative Organology of Vertebrates	BIS 2A-B	1	4	
ANS 100	Animal Physiology	BIS 2A; CHE 2B	III	5	
		•	111		
ANS 103	Animal Welfare	ANS 104 or NPB 102 or WFC 141	l	4	
ANS 104	Principles of Domestic Animal Behavior	ANS 2 or BIS 2B	I	4	
ANS 170	Ethics of Animal Use	Any basic course in composition or speech	III 	4	
MCB 150	Developmental Biology	BIS 101	II	4	
MIC 101	Introductory Microbiology	BIS 2A, CHE 2B	II	5	
MIC 102	Introductory Microbiology	BIS 2A, CHE 2B	I, II, III	3	
and* MIC 103L					
NPB 101	Systemic Physiology	BIS 2A and CHE 2B, PHY 1B or 7C strongly recommended	I, II, III, IV	5	
NPB 140	Principles of Environmental Physiology	NPB 101; BIS 102 recommended	II	3	
VME 158 even	Infectious Diseases in	EVE 101 or ESP 100	II	3	
	Ecology & Conservation				

This AOS also recommends extra preparatory courses; pre-requisites for admission into Veterinary Medicine vary among schools and students should confirm the specific requirements of the schools to which they wish to apply. We recommend that the following additional courses be considered: Sense and Gene Expression
Genes and Gene Expression
CHE 2C
General Chemistry
CHE 118-C
Organic Chemistry of General Physics Note: Some schools may accept CHE 8A-B; individual schools will vary
PHY 7A-C
General Physics Note: some schools may accept PHY 1A-B; individual schools will vary

¹ MIC 103L Introductory Microbiology Laboratory MIC 102 C- or better: CHE 002B 1, 11, 111 2 MIC 104L General Microbiology Laboratory MIC 102 C- or better; CHE 8B or equivalent

odd Course is offered in odd years only (2017, 2019, etc.); even Course is offered in even years only (2018, 2020, etc.)
* Complete a major modification petition to use this course until its addition is formally recognized by campus.
***Course offerings are subject to change. Check with your adviser for the most updated listings.

**Teuture availability unknown