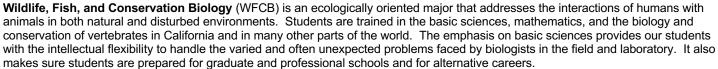
WFCB Bachelors of Science (BS) Requirements⁺





Preparatory Subject Matter Requirements (2020–2021)

		Quarter(s)					
Preparatory Subject Ma	itter (57-59 Units)	Offered***	Units	Completed	Notes		
Written Expression							
University Writing Program 1	Expository Writing	I, II, III, IV	4				
Oral Expression (Choose	one of the following)						
	only CMN 1 additionally satisfies the College Con	position requirement	t.				
Communication 1	Introduction to Public Speaking	I, II, III, IV	4				
Communication 3	Interpersonal Communication Competence	I, II, III	4				
Dramatic Art 10	Introduction to Acting	I, II, III	3		-		
Chemistry							
Chemistry 2A	General Chemistry	I, II, IV	5				
Chemistry 2B	General Chemistry	II, III, IV	5 5 2				
Chemistry 8A	Organic Chemistry	I, III, IV	2				
Chemistry 8B	Organic Chemistry	ı, ıı, ıv	4				
Biological Sciences	Ç ,						
BIS 2A	Introductory Biology	I, II, III, IV	5				
BIS 2B	Introductory Biology	I, II, III, IV	5 5				
BIS 2C	Introductory Biology	I, II, III, IV	5				
Madh amadia	,						
Mathematics	01	1 11 111 117	0				
Mathematics 16A	Short Calculus	I, II, III, IV	3 3				
Mathematics 16B	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	no following)						
WFC 103	Applied Statistics for Wildlife Research	II	4				
Statistics 100	Applied Statistics for Bio Sciences	ı, I, II, III, IV	4				
Plant Sciences 120	Applied Statistics in Ag Science	I, II, III, IV	4				
······································							
Wildlife & Conservation (Choose one of the following)							
WFC 10	Wildlife Ecology and Conservation	I, III	4				
WFC 50	Natural History of CA Vertebrates	II	3				

⁺This checklist is for guidance purposes. Other courses may be listed in course catalog but are not shown here because they are offered irregularly. Last updated 11/28/20. 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 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	II, III, IV II	3 4	
Conservation B WFC 154	Siology Conservation Biology	BIS 2B or equivalent	II	4	
Quantitative Ec WFC 122 WFC 124	ology (Choose one of the following) Population Dynamics and Estimation Sampling Animal Populations	MAT16A-B; STA13 or equiv; EVE 101, ESP 100, or equiv ESP 100 or EVE 101; WFC 103 or STA 100 or PLS 120	II III	4 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 WFC 102/Lodd	Field Methods in Wildlife, Fish, & Cons. Bio Field Research in Wildlife Ecology + Lab Field Research in Fish 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 Consent of instructor; ESP 100 or EVE 101; WFC 103 or STA 100	III I	4 2/4 1/6	
ABT/LDA 150 Anatomy (Strong	(Strongly recommended, but not required) Geographic Info Systems gly recommended, but not required)	or PLS 120; WFC 120; one aquatic biology course PLS 21 or equivalent with consent of instructor	I	4	
STA 104 ^{odd} STA 106	Comparative Organology of Vertebrates gly recommended, but not required) Nonparametric Statistics Analysis of Variance	STA 13, 32, or 100 STA 13, 32, or 100	 , , V	4 4	
STA 108	Regression Analysis	STA 13, 32, or 100	I, II, III, IV	4	

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

odd Course is offered in odd years only (2021, 2023, etc.)

even Course is offered in even years only (2020, 2022, 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.

^{††}Future availability or timing unknown

Wildlife Health



Required Courses		Prerequisites	Qtr(s)	Units	Completed
Complete Wile	dlife Ecology				
WFC 151	Wildlife Ecology	BIS 2A-B	1	4	
Complete eith	er 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	1	5	
ABI 103	Animal Biochemistry & Metabolism	ABI 102	II	5	
Complete one	Wildlife course				
Note: A course of	annot be used to simultaneously satisfy a depth a	nd area of specialization requirement.			
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	
WFC 120	Biology & Conservation of Fishes	BIS 2ABC, upper division ecology recommended	1	3	
WFC 122	Population Dynamics and Estimation	MAT16A-B; STA13 or equiv; EVE 101, ESP 100, or equiv	II	4	
WFC 124	Sampling Animal Populations	ESP 100 or EVE 101; WFC 103 or STA 100 or PLS 120	III	4	
WFC 125 even	Tropical Ecology and Conservation	ESP 100 or EVE 101 or equivalent	I	4	
WFC 134	Herpetology	BIS 2ABC, upper division ecology recommended	II	3	
WFC 136 even	Ecology of Waterfowl & Game Birds	WFC 111, 111L, or equivalent, or consent of instructor	II.	3	
WFC 137* even	Applied Fisheries Conservation	WFC 120/L or WFC 110/L or WFC 111/L or WFC 134/L	III	3	
WFC 152 odd	Ecology of Human-Wildlife Conflicts	BIS 002B; Or equivalent	II.	3	
WFC 155/L	Wildlife Habitat Ecology	BIS 2A-C; EVE 101 or ESP 100 or equivalent; WFC 154 rec'd	!	4	
WFC 168	Climate Change Ecology	BIS 2B or equivalent	II	4	
Complete one	General course				
ANS 103	Animal Welfare	ANS 104 or NPB 102 or WFC 141	1	4	
ANS 170	Ethics of Animal Use	Any basic course in composition or speech	İII	4	
NPB 101	Systemic Physiology	BIS 2A and CHE 2B, PHY 1B or 7C strongly recommended	i, ii, iii, iV	5	
MCB 150	Developmental Biology	BIS 101	ii , ,	4	
MIC 102	Introductory Microbiology	BIS 2A, CHE 2B	1, 11, 111	3	
MIC 103L	Introductory Microbiology Laboratory	MIC 102 C- or better; CHE 002B	I, II, III	2	
ANS 104	Principles of Domestic Animal Behavior	ANS 2 or BIS 2B	ĺ	4	
APC 100	Comparative Organology of Vertebrates	BIS 2A-B	1	4	
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				
MIC 101	Introductory Microbiology	BIS 2A, CHE 2B	II	5	

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:

BIS 101 Genes and Gene Expression

CHE 2C General Chemistry

CHE 118A-C Organic Chemistry for Health & Life Sciences 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

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even Course is offered in even years only (2020, 2022, etc.)

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