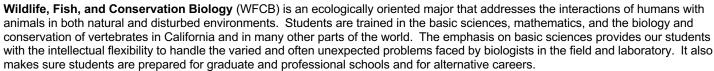
WFCB Bachelors of Science (BS) Requirements⁺





Preparatory Subject Matter Requirements (2023–2024)

Preparatory Subject Ma	atter (57-59 Units)	Quarter(s) Offered***	Units	Completed	Notes
Written Expression University Writing Program 1	Expository Writing	I, II, III, IV	4		
Oral Expression Note: The combination of UN Communication 1	NP 1 and CMN 1 fulfills the college composition in Introduction to Public Speaking	requirement. I, II, III, IV	4		
Chemistry					
Chemistry 2A Chemistry 2B	General Chemistry General Chemistry	I, II, IV II, III, IV	5 5		
Chemistry 8A	Organic Chemistry	I, III, IV	2		
Biological Sciences BIS 2A BIS 2B	Introductory Biology Introductory Biology	I, II, III, IV I, II, III, IV	5 5		
BIS 2C Mathematics	Introductory Biology	I, II, III, IV	5		
Mathematics 17A Mathematics 17B	Short Calculus Short Calculus	I, II, III, IV I, II, III, IV	3 3		
Physics Physics 1A	Principles of Physics	I, II	3		
Physics 1B	Principles of Physics	1, 11 11, 111	3		
Statistics (Choose one of a WFC 103 Statistics 100 Plant Sciences 120	the following) Applied Statistics for Wildlife Research Applied Statistics for Bio Sciences Applied Statistics in Ag Science	 , , , V 	4 4 4		
Data Literacy WFC 098	Data Literacy for Wildlife Biologists	I	3		
Wildlife & Conservation WFC 10 WFC 50	(Choose one of the following) Wildlife Ecology and Conservation Natural History of CA Vertebrates	I, III II	4 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 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	iology Conservation Biology	BIS 2B or equivalent	II	4	
WFC 122	ogy (Choose one of the following) Population Dynamics and Estimation	MAT16A-B; STA13 or equiv; EVE 101, ESP 100, or equiv	III	4	
WFC 124 ^{††}	Sampling Animal Populations	ESP 100 or EVE 101; WFC 103 or STA 100 or PLS 120	TBA	4	
WFC 110 WFC 110L WFC 111 WFC 111L WFC 120 WFC 120L WFC 134 WFC 134L	Fe (Choose 3 lecture courses and 2 laboratory course 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	 	3 3 3 3 3 2 2 3 3	
WFC 101/L ^{even} WFC 102/L ^{odd}	ods (Choose one of the following) 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 or PLS 120; WFC 103	III I	4 2/4 1/6	
GIS Technology ABT/LDA 150	(Strongly recommended, but not required) Geographic Info Systems	or PLS 120; WFC 120; one aquatic biology course PLS 21 or equivalent with consent of instructor	I	4	
Anatomy (Strong APC 100	yly 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	 , , V , , , V	4 4 4	=

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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.

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^{††}Future availability unknown

Wildlife Health

Required Courses		Prerequisites	Qtr(s)	Units	Completed
		1 Toroquioteo	Qti (3)	Office	Completed
WFC 151	Idlife Ecology (Choose one of the following) Wildlife Ecology	BIS 2B	1	4	
WFC 151 WFC 168	Climate Change Ecology	BIS 2B	i II	4 4	
WI 0 100	Olimate Ghange Leology	510 25	"	7	
Complete eitl	her 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	
Choose one l	Wildlife course				
	cannot be used to simultaneously satisfy a depth an	d 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	!	3	
WFC 120	Biology & Conservation of Fishes	BIS 2ABC, upper division ecology recommended	ļ	3	
WFC 122 ^{††}	Population Dynamics and Estimation	MAT16A-B; STA13 or equiv; EVE 101, ESP 100, or equiv	III	4	
WFC 124	Sampling Animal Populations	ESP 100 or EVE 101; WFC 103 or STA 100 or PLS 120	TBA	4	
WFC 125 even	Tropical Ecology and Conservation	ESP 100 or EVE 101 or equivalent	1	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 141 WFC 152 odd	Behavioral Ecology	ESP 100 or EVE 101 or equivalent	III II	4 3	
WFC 152	Ecology of Human-Wildlife Conflicts Wildlife Space Use & Habitat Conservation	BIS 002B; Or equivalent ESP 100 or EVE 101	II I	3 4	
WFC 168	Climate Change Ecology	BIS 2B	II	4	
01					
APC 100	General course Comparative Organology of Vertebrates	BIS 2A-B	1	4	
ANS 103	Animal Welfare	ANS 104 or NPB 102 or WFC 141	i	4	·
ANS 103		ANS 2 or BIS 2B	l I	4	-
	Principles of Domestic Animal Behavior		III	4	
ANS 170	Ethics of Animal Use	Any basic course in composition or speech	III		
MCB 150	Developmental Biology	BIS 101		4	
MIC 102 *and* MIC 103L	Introductory Microbiology or MIC 104L ¹	BIS 2A, CHE 2B	I, II, III	3	
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			Č	
		<u>.</u>			
¹ MIC 103L	Introductory Microbiology Laboratory	MIC 102 C- or better; CHE 002B	I, II, III	2	
MIC 104L	General Microbiology Laboratory	MIC 102 C- or better; CHE 8B or equivalent	I, II	3	
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odd Course is offered in odd years only (2017, 2019, etc.)

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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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