UCDAVIS

Faculty Executive Committee

Faculty of the College of Agricultural and Environmental Sciences
Academic Staff of the Division of Agriculture and Natural Resources
Office of the Dean and Director of Programs

February 2, 2026

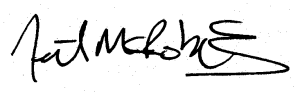
SUE EBELER
CA&ES Dean's Office

RE: Wildlife, Fish, and Conservation Biology Major

Dear Sue,

Undergraduate Council (UGC) approved the proposed changes to the Wildlife, Fish, and Conservation Biology major. The CA&ES Faculty Executive Committee forwards this approval to the college so that implementation may proceed.

Sincerely,



Neil McRoberts
Vice Chair, CA&ES FEC Committee
Department of Plant Pathology

/bn

c: Dan Potter, Chair, Plant Sciences and Chair, UMAC
Greg Anderson, Associate Director of UAP, CA&ES Dean's Office
Clarissa Mark, Academic Advisor, CA&ES Dean's Office
Leslie Charlton, Director of UAP, CA&ES Dean's Office
Daniel Karp, Lead Faculty Advisor, Wildlife, Fish, and Conservation Biology
Nann Fangue, Chair, Wildlife, Fish, and Conservation Biology
Erica Cefalo, Staff Advisor, Wildlife, Fish, and Conservation Biology

February 2, 2026

Neil McRoberts
Chair, College of Agricultural & Environmental Sciences Faculty Executive Committee

RE: Proposed Revisions to the Wildlife, Fish and Conservation Biology Major

Dear Neil,

The proposed revisions to the Wildlife, Fish and Conservation Biology major were reviewed by Undergraduate Council (UGC) and approved at their January 23, 2026 meeting.

With this message we are requesting that the Office of the University Registrar, via Catalog Editor Randall Maynard, include these approved program revisions in the next version of the General Catalog.

Sincerely,

David Kyle, Chair
Undergraduate Council

Enc: Proposed Revisions to Wildlife, Fish and Conservation Biology major (received December 19, 2025)

c: Katheryn Russ, Chair, Davis Division of the Academic Senate
Edwin M. Arevalo, Executive Director, Davis Division of the Academic Senate
Greg Anderson, Executive Coordinator, CA&ES Dean's Office
Randall Maynard, Senior Editor, Office of the University Registrar
Dan Potter, Chair, Plant Sciences
Mary Vasquez, Associate Director, Davis Division of the Academic Senate
Theresa Costa, Budget and Policy Supervisor, Davis Division of the Academic Senate

UCDAVIS
Faculty Executive Committee
Faculty of the College of Agricultural and Environmental Sciences
Academic Staff of the Division of Agriculture and Natural Resources
Office of the Dean and Director of Programs

December 19, 2025

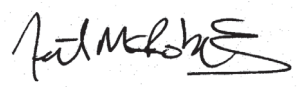
DAVID KYLE
Undergraduate Council

RE: Proposed changes to the Wildlife, Fish and Conservation Biology (WFC) major

Dear David,

We appreciate your initial review of the proposed changes to the Wildlife, Fish and Conservation Biology major. Department Chair Nann Fangue addressed the errors and inconsistencies and submitted a revised proposal to FEC. We return this new version to Undergraduate Council for its review.

Sincerely,



Neil McRoberts
Chair, CA&ES FEC Committee
Department of Plant Pathology

/bn

c: Dan Potter, Chair, UMAC and Chair, Plant Sciences
Clarissa Mark, Academic Advisor, CA&ES Dean's Office
Greg Anderson, Director of First Year Programs, UAP, CA&ES Dean's Office
Leslie Charlton, Director of Undergraduate Academic Programs, CA&ES Dean's Office
Sue Ebeler, Associate Dean, CA&ES Dean's Office
Daniel Karp, Lead Faculty Advisor, Wildlife, Fish, and Conservation Biology
Nann Fangue, Chair, Wildlife, Fish, and Conservation Biology
Erica Cefalo, Staff Advisor, Wildlife, Fish, and Conservation Biology

UNIVERSITY OF CALIFORNIA, DAVIS

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WILDLIFE, FISH, & CONSERVATION BIOLOGY
1088 ACADEMIC SURGE BUILDING
(530) 752-6586 (MAIN OFFICE)
(530) 752-4154 (FAX)
http://wfcb.ucdavis.edu

ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8571

December 16, 2025

David Kyle, Chair
Undergraduate Council (UGC)

Dear Undergraduate Council (UGC),

Thank you for your review of the Wildlife, Fish, and Conservation Biology major curriculum changes. We have responded to each item below. The original curriculum change letter sent to the Undergraduate Majors and Courses Committee (UMAC) is attached for reference.

	UGC Requested Revision	**WFCB Response**
Related to BIO additions:	I believe the correct unit count for BIS 2A or BIO 2/L is 5 (not 4-5).	Unit count updated to 5.
	I believe the correct unit count for BIS 2B or BIO 1/L is 5 (not 4-5).	Unit count updated to 5.
	Please remove BIO 3L, that course does not exist. We believe you mean to list BIS 2C or BIO 3 (4-5 units).	Updated to list only BIS 2C or BIO 3.
	Please update the Preparatory Subject Matter Subtotal. I calculated it at 48-49 units, but I recommend you double check to make sure I've captured the requirements correctly.	Updated to 47-49 units.
Area of Specialization in Wildlife and Conservation Biology	I believe the units associated with the "Choose one:" section should be 3-5 (not 2-5). I don't believe there are any 2-unit options in the list, but if I've missed something, just let me know.	Unit count updated to 3-5.
	Presuming the above is correct, please update the Total Units for this area of specialization to 13-18.	Total units updated to 13-18 units.

Area of Specialization in Wildlife Health	In the "Choose one:" section that begins with WFC 110, I believe the unit count should be 3-4 units (not 3-5). I don't believe there are any 5-unit options in the list, but if I've missed something, just let me know.	Unit count updated to 3-4 units.
	MMG 101 and MMG 104L are not proposed or approved courses, they should be removed from the "Choose one:" list where they are included. I believe that MIC 101 was cancelled and that the content from MIC 104L was shifted to MMG 107L, but I recommend the department check to make sure they're included the courses most appropriate for their students.	MIC 101 was cancelled and replaced by MIC 102 (3 units) and MIC 103L (2 units). Aligned with the MIC/MMG department changes, MIC 102 (3 units) and MIC 103L (2 units) will transition to the new 'MMG' prefix, and will be taught as MMG 102 (3 units) and MMG 103L (2 units). We will list 'MIC 102 and MIC 103L OR MMG 102 and MMG 103L' as the option to fulfill this "Choose one" requirement.
	It's not immediately clear to me if a student could take just MMG 102 to fulfill that "Choose one:" area, or if they must take MMG 103L or (presumably) 107L as well. If students must take both the lecture and lab courses and you include 107L as an option, then you'll need to change the units for this section from 3-5 to 3-7 (MMG 102 + MMG 107L = 7 units).	The requirement is to complete the lecture course (3 units) and lab course (2 units), 'MIC 102 and MIC 103L OR MMG 102 and MMG 103L.' This is aligned with AAVMC vet school prerequisites, and the previous MIC 101 requirement, which was a combined lab and lecture course.
	Pending changes listed above, the Total Units for this area of specialization may need to be updated.	The units would remain 3-5 for this area.
Total Units	Once the revisions to the other areas are completed, please calculate an updated Total Unit count.	Total units are 109 - 127 units.

All changes are indicated by highlighted text in the attachment, WFC revised galley 2025.

Sincerely,

Nann A. Fangue

Nann Fangue
Chair
Wildlife, Fish, and Conservation Biology

May 8, 2025

Daniel Potter, Chair
Undergraduate Majors and Courses Committee
College of Agricultural and Environmental Sciences

Dear Undergraduate Majors and Courses Committee,

I request the following changes to the Wildlife, Fish, and Conservation Biology undergraduate major curriculum:

Preparatory Subject Matter Changes

1. In our Preparatory Subject Matter, remove Communication 3 (CMN 3) and Dramatic Arts 10 (DRA 10) from the "Oral Expression" requirement, to include only Communication 1 (CMN 1). This supports students in also concurrently completing the College English Composition Requirement.
2. In our Preparatory Subject Matter, remove Chemistry 8B (CHE 8B) from the Chemistry requirement. The "Chemistry" requirement will now read Chemistry 2A (CHE 2A), Chemistry 2B (CHE 2B), and Chemistry 8A (CHE 8A).
3. In our Preparatory Subject Matter, update the "Biological Sciences" requirement to include Biological Sciences 1 and 1L (BIO 1/L), Biological Sciences 2 and 2L (BIO 2/L), and Biological Sciences 3 (BIO 3). The "Biological Sciences" requirement will now read Biological Sciences 2B (BIS 2B) or Biological Sciences 1 and 1L (BIO 1/L), Biological Sciences 2A (BIS 2A) or Biological Sciences 2 and 2L (BIO 2/L), and Biological Sciences 2C (BIS 2C) or Biological Sciences 3 (BIO 3).
4. In our Preparatory Subject Matter, remove Math 16A (MAT 16A) and Math 16B (MAT 16B) from the "Mathematics" requirement, and add Math 17A (MAT 17A) and Math 17B (MAT 17B).
5. In our Preparatory Subject Matter, remove Wildlife, Fish, and Conservation Biology 51 (WFC 51) from the "Wildlife and Conservation (Choose one of the following)" requirement.

Depth Subject Matter Changes

6. In the Depth Subject Matter, remove Wildlife, Fish, and Conservation 121 (WFC 121) from the "Physiology" requirement.
7. Remove the entire "Strongly Recommended, But Not Required" section. Courses include: Anatomy, Physiology, and Cell Biology 100/ Neurobiology, Physiology and Behavior 123 (APC 100/NPB 123), Landscape Architecture/ Applied Biological Systems Technology 150 (LDA/ABT 150), Statistics 104 (STA 104), Statistics 106 (STA 106), and Statistics 108 (STA 108).

Wildlife and Conservation Biology Specialization

8. In the Wildlife and Conservation Biology Specialization, remove discontinued Plant Sciences courses: Plant Science/Plant Biology 102 (PLS/PLB 102), Plant Biology/Evolution and Ecology 108 (PLB/EVE 108), and Plant Sciences 131 (PLS 131) from the "Choose one Plants course" requirement. Add Plant Sciences 127 (PLS 127) as another course to satisfy the "Choose one Plants course" requirement.
9. Include the courses Wildlife, Fish, and Conservation Biology 119, 126, 137, 151, and 155 within our requirement to select two courses from Wildlife, Fish, and Conservation Biology. Remove Wildlife, Fish, and Conservation Biology 156, 157 or 160.

Fish Biology Specialization

10. In the Fish Biology Specialization, remove discontinued course Entomology 116 (ENT 116) from "Choose one" requirement.
11. In the Fish Biology Specialization, remove Wildlife, Fish, and Conservation Biology 155 (WFC 155) and add Wildlife, Fish, and Conservation Biology 119 (WFC 119) to the "Aquatics Systems Course" requirement.
12. In the Fish Biology Specialization, remove Environmental Science and Policy 166 (ESP 166) from the "Water Policy/Law Course" requirement.

Wildlife Health Specialization

13. In the Wildlife Health specialization, include Wildlife, Fish, and Conservation Biology 168 (WFC 168) as an option for the "Wildlife Ecology (Choose one of the following)" requirement.
14. Include the courses Wildlife, Fish, and Conservation Biology 119, 126, 137, 151, and 155 within the "Choose one Wildlife course" requirement. Remove Wildlife, Fish, and Conservation Biology 156, 157 or 160.
15. Add ANS 100 to the "Choose one General course" requirement. Replace MIC 101, MIC 102, MIC 103L, and MIC 104L with new courses MMG 101, MMG 102, MMG 103L, and MMG 104L, per guidance regarding undergraduate MIC courses from MIC department.

All changes are indicated by highlighted text in the attachment, WFC revised galley 2025.

Sincerely,

Nann A. Fangue

Nann Fangue
Chair
Wildlife, Fish, and Conservation Biology

WILDLIFE, FISH & CONSERVATION BIOLOGY, BACHELOR OF SCIENCE

College of Agricultural & Environmental Sciences

The Wildlife, Fish & Conservation Biology major deals with the relationships between the requirements of wildlife and the needs of people. Understanding these relationships is vital for the maintenance of ecological diversity, recreational resources, and food supplies. Students completing the major possess a broad knowledge of ecology and natural history, but with the quantitative skills to use this knowledge in critical thinking and decision-making.

The Program

The major emphasizes broad training in biological sciences, with specialization in one of four areas. The major is designed primarily for students interested in becoming professionals in the diverse fields of wildlife, fish, & conservation biology, including veterinary & wildlife health sciences. The breadth of course requirements, when combined with electives, also make this an excellent preparatory major for secondary school teaching. Certification by professional societies such as The Wildlife Society, American Fisheries Society, or the Ecological Society of America, or preparation for graduate studies may also be achieved by careful planning of electives with a faculty advisor.

Lead Faculty Advisor

Daniel Karp

Wildlife, Fish, & Conservation Biology Major Advisor

Erica Cefalo

Students transferring to UC Davis from another institution or new students declaring the major of Wildlife, Fish & Conservation Biology must consult the major advisor so that their program can be evaluated and a faculty advisor assigned. Advising is located in 1086 Academic Surge and can be reached by email at wfcbadvising@ucdavis.edu.

Career Alternatives

The major prepares students to excel in the dynamic fields of environmental and conservation biology, emphasizing vertebrate animals—both native and invasive—in their natural environments, as well as resolution of conflicts between humans and wild animals. Positions now held by graduates of this major include wildlife biology, fisheries biology, wildlife damage management, and resource biologists and managers with local, state, and federal agencies, biologists or consultants with private industries such as environmental consulting firms, commercial fishing businesses, electrical utilities, sporting clubs or businesses, and aquaculture operations, as well as veterinarians, medical physicians, and professors/researchers who teach and/or conduct research in academic institutions.

The major requirements below are in addition to meeting University Degree Requirements (https://catalog.ucdavis.edu/undergraduate-education/university-degree-requirements/) & College Degree Requirements (https://catalog.ucdavis.edu/undergraduate-education/college-degree-requirements/); unless otherwise noted. The minimum number of units required for the Wildlife, Fish & Conservation Biology Bachelor of Science is 111.

Code	Title	Units
Written/Oral Expression		
Completing UWP 001 or UWP 001V or UWP 001Y and CMN 001 or CMN 001V will simultaneously satisfy the College English Composition Requirement.		
UWP 001	Introduction to Academic Literacies	4
or UWP 001V	Introduction to Academic Literacies: Online	
or UWP 001Y	Introduction to Academic Literacies	
Choose one:		4
CMN 001	Introduction to Public Speaking	
or CMN 001V	Introduction to Public Speaking	
~~CMN 003~~	~~Interpersonal Communication Competence~~	
~~or CMN 003V~~	~~Interpersonal Communication Competence~~	
~~or CMN 003Y~~	~~Interpersonal Communication Competence~~	
~~DRA 010~~	~~Introduction to Performance & Digital Media~~	
Written/Oral Expression Subtotal		8
Preparatory Subject Matter		
Biological Science		
BIS 002A or BIO 2/L	Introduction to Biology: Principles of Ecology & Evolution	5
BIS 002B or BIO 1/L	Introduction to Biology: Essentials of Life on Earth	5
BIS 002C or BIO 3	Introduction to Biology: Biodiversity & the Tree of Life	4-5
Chemistry		
CHE 002A	General Chemistry	5
CHE 002B	General Chemistry	5
CHE 008A	Organic Chemistry: Brief Course	2
~~CHE 008B~~	~~Organic Chemistry: Brief Course~~	~~4~~
Mathematics		
MAT 017A	Calculus for Biology and Medicine	4
MAT 017B	Calculus for Biology and Medicine	4
Physics		
PHY 001A	Principles of Physics	3
PHY 001B	Principles of Physics	3
Choose one:		4
PLS 120	Applied Statistics in Agricultural Sciences	
STA 100	Applied Statistics for Biological Sciences	
WFC 103	Applied Statistics for Wildlife Research	
Wildlife, Fish & Conservation Biology		
Choose one:		3-4
WFC 010	Wildlife Ecology & Conservation	
WFC 050	Natural History of California's Wild Vertebrates	
~~WFC 051~~	~~Introduction to Conservation Biology~~	
Preparatory Subject Matter Subtotal		47-49
Depth Subject Matter		

Students graduating with this major are required to attain at least a C average (2.000) in all courses taken at the university in depth and area of specialization subject matter.		
ESP 100	General Ecology	4
or EVE 101	Introduction to Ecology	
NPB 102	Animal Behavior	3-4
or WFC 141	Behavioral Ecology	
Evolution & Ecology		
EVE 100	Introduction to Evolution	4
Wildlife, Fish, & Conservation Biology		
Choose WFC 100 or WFC 101 & WFC 101L or WFC 102 & WFC 102L:		4-7
WFC 100	Field Methods in Wildlife, Fish, & Conservation Biology	
OR		
WFC 101 & 101L	Field Research in Wildlife Ecology and Field Research in Wildlife Ecology: Laboratory	
OR		
WFC 102 & 102L	Field Studies in Fish Biology and Field Studies in Fish Biology: Laboratory	
~~WFC 121~~	~~Physiology of Fishes~~	4
~~or~~ WFC 130	Physiological Ecology of Wildlife	
WFC 122	Population Dynamics & Estimation	4
or WFC 124	Sampling Animal Populations	
Conservation Biology		
WFC 154	Conservation Biology	4
Choose three lecture courses and two laboratory (L) courses:		14-15
WFC 110	Biology & Conservation of Wild Mammals	
WFC 110L	Laboratory in Biology & Conservation of Wild Mammals	
WFC 111	Biology & Conservation of Wild Birds	
WFC 111L	Laboratory in Biology & Conservation of Wild Birds	
WFC 120	Biology & Conservation of Fishes	
WFC 120L	Laboratory in Biology & Conservation of Fishes	
WFC 134	Herpetology	
WFC 134L	Herpetology Laboratory	
Depth Subject Matter Subtotal		41-46
~~**Strongly Recommended, But Not Required**~~		
~~*Anatomy, Physiology & Cell Biology*~~		
~~APC 100/NPB 123~~	~~Comparative Vertebrate Organology~~	
~~*Landscape Architecture*~~		
~~LDA/ABT 150~~	~~Introduction to Geographic Information Systems~~	
~~*Statistics; choosing one is recommended:*~~		
~~STA 104~~	~~Applied Statistical Methods: Nonparametric Statistics~~	
~~STA 106~~	~~Applied Statistical Methods: Analysis of Variance~~	
~~STA 108~~	~~Applied Statistical Methods: Regression Analysis~~	

Restricted Electives

Choose one of the four Areas of Specialization:	12-24
No course may be used to simultaneously satisfy the Depth Subject Matter and the Area of Specialization.	
No course may be used to simultaneously satisfy two Area of Specialization requirements.	
Areas of Specialization	
(1) Wildlife & Conservation Biology (p. 2)	
(2) Fish Biology (p. 3)	
(3) Wildlife Health (p. 3)	
(4) Individualized (p. 3)	
Restricted Electives Subtotal	12-24
Total Units	~~109~~ 127

Areas of Specialization

(1) Wildlife & Conservation Biology

Code	Title	Units
WFC 151	Wildlife Ecology	4
or WFC 168	Climate Change Ecology	
Choose one:		3-5
~~PLB/PLS 102~~	~~Course PLB 102 Not Found (Discontinued)~~	
~~PLB/EVE 108~~	~~Course PLB 108 Not Found (Discontinued)~~	
PLB/EVE 117	Plant Ecology	
PLB/EVE 119	Population Biology of Invasive Plants & Weeds	
PLB/PLP 148	Introductory Mycology	
PLS 127	Systematics of Vascular Plants	
~~PLS 131~~	~~Course PLS 131 Not Found (Discontinued)~~	
PLS/ESM 144	Trees & Forests	
PLS 147 & 147L	California Plant Communities and California Plant Communities Field Study	
PLS 178	Biology & Management of Aquatic Plants	
Choose two:		6-9
WFC 110	Biology & Conservation of Wild Mammals	
WFC 111	Biology & Conservation of Wild Birds	
WFC 119	Freshwater Ecology	
WFC 120	Biology & Conservation of Fishes	
WFC 122	Population Dynamics & Estimation	
WFC 124	Sampling Animal Populations	
WFC 125	Tropical Ecology & Conservation	
WFC 126	Conservation in Working Landscapes	
WFC 134	Herpetology	
WFC 136	Ecology of Waterfowl & Game Birds	
WFC 137	Applied Fisheries Conservation	
WFC 151	Wildlife Ecology	
WFC 152	Ecology of Human-Wildlife Conflicts	
WFC 155	Wildlife Space use and Habitat Conservation	
~~WFC 156~~	~~Plant Geography~~	
~~WFC 157~~	~~Coastal Ecosystems~~	
~~WFC 160~~	~~Animal Coloration~~	
WFC 168	Climate Change Ecology	
Note: Students interested in certification as a Wildlife Biologist from The Wildlife Society should consider additional courses in plant sciences and statistics.		
Total Units		13-18

(2) Fish Biology

Code	Title	Units
Fish Biology		
WFC 120	Biology & Conservation of Fishes	3
WFC 120L	Laboratory in Biology & Conservation of Fishes	2
Choose one:		3-5
~~ENT 116~~	~~Course ENT 116 Not Found (Discontinued)~~	
EVE 112 & EVE 112L or EVE 114:		
EVE 112 & 112L	Biology of Invertebrates and Biology of Invertebrates Laboratory	
or EVE 114	Experimental Invertebrate Biology	
Choose three courses including at least one course from each of the following two groups:		9-13
(a) Aquatic Systems		
ANS 118	Fish Production	
ESM 100	Principles of Hydrologic Science	
ESP/GEL 116N	Oceanography	
ESP/GEL 150C	Biological Oceanography	
ESP 151	Limnology	
ESP 151L	Limnology Laboratory	
ESP 152	Coastal Oceanography	
ESP 155	Wetland Ecology	
EVE 115	Marine Ecology	
HYD 143	Ecohydrology	
~~WFC 155~~	~~Wildlife Space Use & Habitat Conservation~~	
WFC 119	Freshwater Ecology	
(b) Water Policy/ Law		
ESP 161	Environmental Law	
ESP 162		
~~ESP 166N~~		
ESP 169	Water Policy & Politics	
HYD 150	Water Law	
Total Units		**17-23**

(3) Wildlife Health

Code	Title	Units
Note that this Areas of Specialization recommends additional preparatory courses; prerequisites for admission to Veterinary Medicine vary among schools and students should confirm the specific requirements of the school(s) to which they wish to apply.		
WFC 151 or WFC 168	Wildlife Ecology or Climate Change Ecology	4
Choose BIS 102 & BIS 103 or ABI 102 & ABI 103:		6-10
ABI 102 & ABI 103	Animal Biochemistry & Metabolism and Animal Biochemistry & Metabolism	
or		
BIS 102 & BIS 103	Structure & Function of Biomolecules and Bioenergetics & Metabolism	
Choose one:		3-4
WFC 110	Biology & Conservation of Wild Mammals	
WFC 111	Biology & Conservation of Wild Birds	
WFC 119	Freshwater Ecology	
WFC 120	Biology & Conservation of Fishes	
WFC 122	Population Dynamics & Estimation	
WFC 124	Sampling Animal Populations	
WFC 125	Tropical Ecology & Conservation	
WFC 126	Conservation in Working Landscapes	
WFC 134	Herpetology	
WFC 136	Ecology of Waterfowl & Game Birds	
WFC 137	Applied Fisheries Conservation	
WFC 151	Wildlife Ecology	
WFC 152	Ecology of Human-Wildlife Conflicts	
WFC 155	Wildlife Space use and Habitat Conservation	
~~WFC 156~~	~~Plant Geography~~	
~~WFC 157~~	~~Coastal Ecosystems~~	
~~WFC 160~~	~~Animal Coloration~~	
WFC 168	Climate Change Ecology	
Choose one:		3-5
ANS 103	Animal Welfare	
ANS 104	Principles & Applications of Domestic Animal Behavior	
ANS 170	Ethics of Animal Use	
APC 100	Comparative Vertebrate Organology	
MCB 150	Developmental Biology	
~~MIC 101~~	~~Course MIC 101 Not Found (Discontinued)~~	
~~MIC 102 or MMG 102~~	~~Introductory Microbiology~~	
~~MIC 103L or MMG 103L~~	~~Introductory Microbiology Laboratory~~	
NPB 101	Systemic Physiology	
NPB 140	Principles of Environmental Physiology	
VME 158	Infectious Disease in Ecology & Conservation	
Additional Preparatory		
Recommended, not required:		
BIS 101	Genes & Gene Expression	
CHE 002C	General Chemistry	
CHE 118A	Organic Chemistry for Health & Life Sciences	
CHE 118B	Organic Chemistry for Health & Life Sciences	
CHE 118C	Organic Chemistry for Health & Life Sciences	
PHY 007A	General Physics	
PHY 007B	General Physics	
PHY 007C	General Physics	
Total Units		**16-24**

(4) Individualized

Students may, with prior approval of their advisor and the curriculum committee, design their own individualized specialization within the major. The specialization will consist of at least four upper division courses with a coherent theme.

UCDAVIS
Faculty Executive Committee
Faculty of the College of Agricultural and Environmental Sciences
Academic Staff of the Division of Agriculture and Natural Resources
Office of the Dean and Director of Programs

December 17, 2025

NANN FANGUE,
Wildlife, Fish, and Conservation Biology

RE: proposed changes to the Wildlife, Fish and Conservation Biology major

Dear Nann,

In a December 12, 2025 email, Undergraduate Council (UGC) Chair David Kyle and Academic Senate Budget and Policy Supervisor Theresa Costa responded to the proposed revisions of the Wildlife, Fish and Conservation Biology major with an initial review. They ask you to address their comments, before the proposal will be reviewed by the UGC. The following summarizes what was emailed:

Related to BIO additions:

- The correct unit count for BIS 2A or BIO 2/L is 5 (not 4-5).
- The correct unit count for BIS 2B or BIO 1/L is 5 (not 4-5).
- Please remove BIO 3L; that course does not exist. Perhaps you meant to list BIS 2C or BIO 3 (4-5 units).
- Please update the Preparatory Subject Matter Subtotal. They calculated it at 48-49 units but recommend you double check to make sure they captured the requirements correctly.

Area of Specialization in Wildlife and Conservation Biology

- The units associated with the “Choose one:” section should be 3-5 (not 2-5). They don’t believe there are any 2-unit options in the list, but if they missed something, let them know.
- Presuming the above is correct, please update the Total Units for this area of specialization to 13-18.

Area of Specialization in Wildlife Health

- In the “Choose one:” section that begins with WFC 110, they believe the unit count should be 3-4 units (not 3-5). They don’t believe there are any 5-unit options in the list, but if something is missed, let them know.

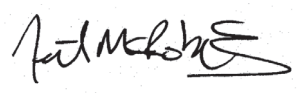
- MMG 101 and MMG 104L are not proposed or approved courses, they should be removed from the "Choose one:" list where they are included. They believe that MIC 101 was cancelled and that the content from MIC 104L was shifted to MMG 107L. They recommend the department check to make sure they have included the courses most appropriate for their students.
- It's not immediately clear if a student could take just MMG 102 to fulfill that "Choose one:" area, or if they must take MMG 103L or (presumably) 107L as well. If students must take both the lecture and lab courses and you include 107L as an option, then you'll need to change the units for this section from 3-5 to 3-7 (MMG 102 + MMG 107L = 7 units).
- Pending changes listed above, the Total Units for this area of specialization may need to be updated.

Total Units

- Once the revisions to the other areas are completed, please calculate an updated Total Unit count.

Please address these changes and send your response to me and cc Brenda Nakamoto. The FEC will send your revision back to UGC.

Sincerely,



Neil McRoberts
Chair, CA&ES FEC Committee
Department of Plant Pathology

/bn

c: Dan Potter, Chair, UMAC and Chair, Plant Sciences
Clarissa Mark, Academic Advisor, CA&ES Dean's Office
Greg Anderson, Director of First Year Programs, UAP, CA&ES Dean's Office
Leslie Charlton, Director of Undergraduate Academic Programs, CA&ES Dean's Office
Sue Ebeler, Associate Dean, CA&ES Dean's Office
Daniel Karp, Lead Faculty Advisor, Wildlife, Fish, and Conservation Biology
Erica Cefalo, Staff Advisor, Wildlife, Fish, and Conservation Biology

From:	Theresa A Costa
To:	Neil McRoberts
Cc:	Mary E Vasquez; Daniel Potter; Clarissa Mark Wong; Greg Anderson; Leslie R Charlton; Susan E Ebeler; Daniel S Karp; Nann A Fangue; Erica Maria Cefalo; Brenda J Nakamoto; David Alan Kyle
Subject:	RE: Proposed changes to the WFC major
Date:	Friday, December 12, 2025 2:50:27 PM

Dear Chair McRoberts,

On behalf of Undergraduate Council (UGC) Chair David Kyle, I acknowledge receipt of the proposed revisions to the Wildlife, Fish and Conservation Biology major.

After an initial review, we request that the following items in the proposal be addressed:

Related to BIO additions:

- I believe the correct unit count for BIS 2A or BIO 2/L is 5 (not 4-5).
- I believe the correct unit count for BIS 2B or BIO 1/L is 5 (not 4-5).
- Please remove BIO 3L, that course does not exist. We believe you mean to list BIS 2C or BIO 3 (4-5 units).
- Please update the Preparatory Subject Matter Subtotal. I calculated it at 48-49 units, but I recommend you double check to make sure I've captured the requirements correctly.

Area of Specialization in Wildlife and Conservation Biology

- I believe the units associated with the "Choose one:" section should be 3-5 (not 2-5). I don't believe there are any 2-unit options in the list, but if I've missed something, just let me know.
- Presuming the above is correct, please update the Total Units for this area of specialization to 13-18.

Area of Specialization in Wildlife Health

- In the "Choose one:" section that begins with WFC 110, I believe the unit count should be 3-4 units (not 3-5). I don't believe there are any 5-unit options in the list, but if I've missed something, just let me know.
- MMG 101 and MMG 104L are not proposed or approved courses, they should be removed from the "Choose one:" list where they are included. I believe that MIC 101 was cancelled and that the content from MIC 104L was shifted to MMG 107L, but I recommend the department check to make sure they're included the courses most appropriate for their students.
- It's not immediately clear to me if a student could take just MMG 102 to fulfill that "Choose one:" area, or if they must take MMG 103L or (presumably) 107L as well. If students must take both the lecture and lab courses and you include 107L as an option, then you'll need to change the units for this section from 3-5 to 3-7 (MMG 102 + MMG

107L = 7 units).

- Pending changes listed above, the Total Units for this area of specialization may need to be updated.

Total Units

- Once the revisions to the other areas are completed, please calculate an updated Total Unit count.

Thank you for your assistance and please let me know if you have any additional questions.

Best,

Theresa

Theresa Costa (she/her/hers)
Budget and Policy Supervisor
Academic Senate Office
tacosta@ucdavis.edu
530.752.3917

From: Brenda J Nakamoto <bvnakamoto@ucdavis.edu>
Sent: Tuesday, December 2, 2025 11:33 AM
To: David Alan Kyle <djkyle@ucdavis.edu>
Cc: Neil McRoberts <nmcroberts@ucdavis.edu>; Mary E Vasquez <mpvasquez@ucdavis.edu>; Theresa A Costa <tacosta@ucdavis.edu>; Daniel Potter <dpotter@ucdavis.edu>; Clarissa Mark Wong <cmark@ucdavis.edu>; Greg Anderson <granderson@UCDAVIS.EDU>; Leslie R Charlton <lrcharlton@ucdavis.edu>; Susan E Ebeler <seebeler@ucdavis.edu>; Daniel S Karp <dkarp@ucdavis.edu>; Nann A Fangue <nafangue@ucdavis.edu>; Erica Maria Cefalo <emcefalo@ucdavis.edu>
Subject: Proposed changes to the WFC major

Dear David,

The CA&ES Faculty Executive Committee forwards to Undergraduate Council a proposal for changes to the Wildlife, Fish, and Conservation Biology undergraduate major. Sending on behalf of FEC Chair Neil McRoberts.
Brenda

Brenda Nakamoto
Administrative Assistant
College of Agricultural and Environmental Sciences Dean's Office
University of California, Davis
(530) 752-1606

UCDAVIS
Faculty Executive Committee
Faculty of the College of Agricultural and Environmental Sciences
Academic Staff of the Division of Agriculture and Natural Resources
Office of the Dean and Director of Programs

December 1, 2025

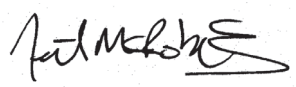
DAVID KYLE
Undergraduate Council

RE: Proposed changes to the Wildlife, Fish and Conservation Biology (WFC) major

Dear David,

The CA&ES Faculty Executive Committee (FEC) approved changes to the WFC major proposed by the Department of Wildlife, Fish and Conservation Biology faculty at a meeting on November 17, 2025. FEC provides this proposal to the Undergraduate Council for review.

Sincerely,



Neil McRoberts
Chair, CA&ES FEC Committee
Department of Plant Pathology

/bn

c: Dan Potter, Chair, UMAC and Chair, Plant Sciences
Clarissa Mark, Academic Advisor, CA&ES Dean's Office
Greg Anderson, Director of First Year Programs, UAP, CA&ES Dean's Office
Leslie Charlton, Director of Undergraduate Academic Programs, CA&ES Dean's Office
Sue Ebeler, Associate Dean, CA&ES Dean's Office
Daniel Karp, Lead Faculty Advisor, Wildlife, Fish, and Conservation Biology
Nann Fangue, Chair, Wildlife, Fish, and Conservation Biology
Erica Cefalo, Staff Advisor, Wildlife, Fish, and Conservation Biology

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COLLEGE OF AGRICULTURAL AND
ENVIRONMENTAL SCIENCES
AGRICULTURAL EXPERIMENT STATION
COOPERATIVE EXTENSION

October 21, 2025

To: Neil McRoberts
Chair, CA&ES Faculty Executive Committee

Re: Proposed Revisions to the Wildlife, Fish, and Conservation Biology major

At its meeting on October 21, 2025, the Undergraduate Majors and Courses Committee (UMAC) approved the proposed changes to the Wildlife, Fish, and Conservation Biology undergraduate major curriculum (attached).

Sincerely,

Daniel Potter
Chair, Undergraduate Majors and Courses Committee
College of Agricultural and Environmental Sciences

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DAVIS, CALIFORNIA 95616-8571

May 8, 2025

Daniel Potter, Chair
Undergraduate Majors and Courses Committee
College of Agricultural and Environmental Sciences

Dear Undergraduate Majors and Courses Committee,

I request the following changes to the Wildlife, Fish, and Conservation Biology undergraduate major curriculum:

Preparatory Subject Matter Changes

1. In our Preparatory Subject Matter, remove Communication 3 (CMN 3) and Dramatic Arts 10 (DRA 10) from the "Oral Expression" requirement, to include only Communication 1 (CMN 1). This supports students in also concurrently completing the College English Composition Requirement.
2. In our Preparatory Subject Matter, remove Chemistry 8B (CHE 8B) from the Chemistry requirement. The "Chemistry" requirement will now read Chemistry 2A (CHE 2A), Chemistry 2B (CHE 2B), and Chemistry 8A (CHE 8A).
3. In our Preparatory Subject Matter, update the "Biological Sciences" requirement to include Biological Sciences 1 and 1L (BIO 1/L), Biological Sciences 2 and 2L (BIO 2/L), and Biological Sciences 3 (BIO 3). The "Biological Sciences" requirement will now read Biological Sciences 2B (BIS 2B) or Biological Sciences 1 and 1L (BIO 1/L), Biological Sciences 2A (BIS 2A) or Biological Sciences 2 and 2L (BIO 2/L), and Biological Sciences 2C (BIS 2C) or Biological Sciences 3 (BIO 3).
4. In our Preparatory Subject Matter, remove Math 16A (MAT 16A) and Math 16B (MAT 16B) from the "Mathematics" requirement, and add Math 17A (MAT 17A) and Math 17B (MAT 17B).
5. In our Preparatory Subject Matter, remove Wildlife, Fish, and Conservation Biology 51 (WFC 51) from the "Wildlife and Conservation (Choose one of the following)" requirement.

Depth Subject Matter Changes

6. In the Depth Subject Matter, remove Wildlife, Fish, and Conservation 121 (WFC 121) from the "Physiology" requirement.
7. Remove the entire "Strongly Recommended, But Not Required" section. Courses include: Anatomy, Physiology, and Cell Biology 100/ Neurobiology, Physiology and Behavior 123 (APC 100/NPB 123), Landscape Architecture/ Applied Biological Systems Technology 150 (LDA/ABT 150), Statistics 104 (STA 104), Statistics 106 (STA 106), and Statistics 108 (STA 108).

Wildlife and Conservation Biology Specialization

8. In the Wildlife and Conservation Biology Specialization, remove discontinued Plant Sciences courses: Plant Science/Plant Biology 102 (PLS/PLB 102), Plant Biology/Evolution and Ecology 108 (PLB/EVE 108), and Plant Sciences 131 (PLS 131) from the "Choose one Plants course" requirement. Add Plant Sciences 127 (PLS 127) as another course to satisfy the "Choose one Plants course" requirement.
9. Include the courses Wildlife, Fish, and Conservation Biology 119, 126, 137, 151, and 155 within our requirement to select two courses from Wildlife, Fish, and Conservation Biology. Remove Wildlife, Fish, and Conservation Biology 156, 157 or 160.

Fish Biology Specialization

10. In the Fish Biology Specialization, remove discontinued course Entomology 116 (ENT 116) from "Choose one" requirement.
11. In the Fish Biology Specialization, remove Wildlife, Fish, and Conservation Biology 155 (WFC 155) and add Wildlife, Fish, and Conservation Biology 119 (WFC 119) to the "Aquatics Systems Course" requirement.
12. In the Fish Biology Specialization, remove Environmental Science and Policy 166 (ESP 166) from the "Water Policy/Law Course" requirement.

Wildlife Health Specialization

13. In the Wildlife Health specialization, include Wildlife, Fish, and Conservation Biology 168 (WFC 168) as an option for the "Wildlife Ecology (Choose one of the following)" requirement.
14. Include the courses Wildlife, Fish, and Conservation Biology 119, 126, 137, 151, and 155 within the "Choose one Wildlife course" requirement. Remove Wildlife, Fish, and Conservation Biology 156, 157 or 160.
15. Add ANS 100 to the "Choose one General course" requirement. Replace MIC 101, MIC 102, MIC 103L, and MIC 104L with new courses MMG 101, MMG 102, MMG 103L, and MMG 104L, per guidance regarding undergraduate MIC courses from MIC department.

All changes are indicated by highlighted text in the attachment, WFC revised galley 2025.

Sincerely,

Nann A. Fangue

Nann Fangue
Chair
Wildlife, Fish, and Conservation Biology