

NEW UNDERGRADUATE MINOR / CHANGE UNDERGRADUATE MINOR FORM

Please fill out Section I.

SECTION I: GENERAL INFORMATION

Program: Forestry

Minor: Wildlife Biology and Management Minor

College: Agriculture, Food and Environment

Department: Forestry

Bulletin PP: new minor

CIP Code: B03.0502

Accrediting Agency (if applicable): n/a

⇒ Fill out Section II if you are proposing a **NEW** minor.

Section II: New Minor

Minor Prerequisites (list course prefix, number and title): BIO 148 Introductory Biology I (3)

Minor Requirements (list course prefix, number and title): FOR 101 Introduction to Wildlife Conservation (3)
FOR 370 Wildlife Biology and Management (4)
FOR 435 Conservation Biology (3)

TWO of the following courses:

FOR 510 Herpetology (4)

FOR 520 Mammals of the Eastern United States (4)

BIO 559 Ornithology (4)

Minor Electives (list course prefix, number and title): ONE of the following courses:
BIO 303 Introduction to Evolution (4)
BIO 325 Ecology (4)
BIO 375 Behavioral Ecology and Sociobiology (3)
BIO 555 Vertebrate Zoology (5)
FOR 340 Forest Ecology (4)
FOR 400 Human Dimensions of Forestry & Nat. Res. (3)
FOR 530 Freshwater Ecology (3)
FOR 540 Urban Ecology (3)
FOR 550 U.S. Biodiversity Hotspots (3)
FOR/GEO 570 Landscape Ecology for Natural Resources (3)
NRE/LA 556 Contemporary Geospatial Applications for Land Analysis (3)

Total Hours Required: Minimum 21 hours

Rationale for Proposal: Over the past two decades, there has been an increased demand nationally for collegiate programming in the natural resource sciences. Just in the past few years, the Department of Forestry has experienced an annual increase in enrollment of ~5-10% in courses such as FOR 230/435 Conservation Biology and FOR 370 Wildlife Biology and Management. An important first step in response to enrollment increases in said classes, and importantly based on oral and survey feedback from undergraduate students who expressed a desire for increased offerings in the wildlife sciences, was the implementation of a Wildlife Forester undergraduate curricular option for forestry majors in Fall 2012. A student enrolled in the Wildlife Forester option pursues a major in forestry and completes a sufficient number of wildlife and other classes to

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satisfy the course requirements needed to apply for certification as an Associate Wildlife Biologist by The Wildlife Society, the most recognized society of wildlife professionals in North America. The Wildlife Forester option offering is primarily designed to offer a more diverse and robust preparation of students interested in forestry or natural resource-related fields where more detailed knowledge of wildlife, its management and habitats are encouraged or required (e.g. wildlife management and ecology).

The Department was able to satisfy the teaching requisites of the wildlife option by annually offering the course, FOR 101 Introduction to Wildlife Conservation, and via hiring of an additional wildlife faculty member in summer 2012 who will teach a 500-level course in herpetology.

An important second step to satisfying student demands for increased programming in wildlife studies would be the creation of a formal minor in Wildlife Biology and Management. A formal minor would provide official university recognition of students that completed the Wildlife Forester option without taking additional courses. In addition, a minor would provide a formalized learning opportunity for students of non-Forestry majors (e.g. biology) that may be interested in developing knowledge of wildlife studies, yet are unable to fully pursue the Wildlife Forester option.

Language to add to the bulletin: Forestry majors may not select FOR 340 or FOR 400 to count towards the Minor Electives. Forestry majors must select one of the other courses listed under the Minor Electives.

⇒ Fill out Section III if you are CHANGING requirements for an existing minor.

Section III: Change in Minor Requirements

Current

Proposed

Current Total Hours: _____

Proposed Total Hours: _____

Rationale for Proposal: _____

Will this program be printed in the Bulletin?

Yes

No

Not all forestry students have a wildlife interest. But there are some that could benefit by having a forestry degree with a wildlife minor on their transcript. Depending on career interests, students in other majors such as the Natural Resources and Environmental Science major and the Biology major could benefit from having a Wildlife Biology and Management Minor on their transcript.

Listed below are the courses for the proposed minor. The courses shown in red are required courses in the Forestry curriculum. In addition to the required courses, forestry students (in the revised curriculum) would have nine hours of Professional Electives. Almost all of the courses listed below, would be considered an appropriate elective in the forestry major.

We agree that a forestry student should not be able complete the forestry requirements and automatically qualify for a wildlife minor. Therefore we have proposed specific language to include in the Bulletin to address this. The Bulletin should state *“Forestry majors may not select FOR 340 or FOR 400 to count towards the Minor Electives. Forestry majors must select one of the other courses listed under the Minor Electives.”*

Wildlife Biology and Management Minor

	Credit Hours	Comment with regard to forestry curriculum
Minor Prerequisites		
BIO 148 Introductory Biology I	3	
Minor Requirements (minimum 21 hours)		
FOR 101 Introduction to Wildlife Conservation	3	
FOR 370 Wildlife Biology and Management	4	Required for Forestry majors
FOR 230/435 Conservation Biology	3	Required for Forestry majors
TWO of the following courses		
FOR 510 Herpetology	4	
FOR 520 Mammals of the Eastern United States	4	
BIO 559 Ornithology	4	
ONE of the following courses		
BIO 303 Introduction to Evolution	4	
BIO 325 Ecology	4	
BIO 375 Behavioral Ecology and Sociobiology	3	
BIO 555 Vertebrate Zoology	5	
FOR 340 Forest Ecology	4	Required for Forestry majors
FOR 400 Human Dimensions of Forestry & Nat. Res.	3	Required for Forestry majors
FOR 530 Freshwater Ecology	3	
FOR 540 Urban Ecology	3	
FOR 550 U.S. Biodiversity Hotspots	3	
FOR/GEO 570 Landscape Ecology for Natural Resources	3	
NRE/LA 556 Contemporary Geospatial Applications for Land Analysis	3	
<p><i>Note: All FOR courses not highlighted in red are considered electives in the forestry major.</i></p>		

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Signature Routing Log

General Information:

Proposal Name: Wildlife Biology and Management Minor

Proposal Contact Person Name: Laura R. Lhotka Phone: 7-8718 Email: laura.lhotka@uky.edu

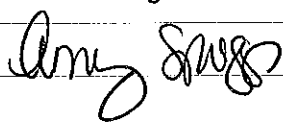
INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
Department of Forestry		Terrell Baker / 257-7596 / terrellbaker@uky.edu	
Department of Biology		Vincent Cassone / 257-6766 / vincent.cassone@uky.edu	
Department of Animal & Food Sciences		Robert Harmon / 257-2686 / rharmon@uky.edu	
Department of Landscape Architecture		Ned Crankshaw / 257-4691 / ned.crankshaw@uky.edu	
NRES Steering Committee		Mary Arthur / 257-5762 / mary.arthur@uky.edu	

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision ¹
Undergraduate Council	9/6/16		
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

¹ Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.



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February 10, 2017

To: Faculty Senate
FROM: Richard Schein, Professor and Chair, Geography
RE: GEO 570

It has come to my attention that the proposed minor in Wildlife Biology and Management in the College of Agriculture, Food and Environment made it to you without our review or approval. Please be assured that I have now reviewed the minor, and we are happy to have GEO 570 included.

A handwritten signature in blue ink, appearing to read 'Richard Schein'.



Department of Biology
101 T. H. Morgan Building
Lexington, KY 40506-0225
Office: (859) 257-2805

February 20th, 2017

To Whom it may concern:

The Department of Biology in the College of Arts and Sciences is fully supportive of the Wildlife Biology and Management minor in the Department of Forestry, and their use of courses in Biology to fulfill this minor.

The vote in favor of support was 24-0, with one abstention.

There were, however, a few suggestions and comments that are meant to be advisory and not slow down this approval. First, students wishing to take Ornithology (Bio559) or Behavioral Ecology and Sociobiology (Bio375) courses should have BOTH BIO 148 and 152 as pre-requisites. For students wishing to take BIO 303, they can contact our DUS, Dr. Jennifer Osterhage, for an override into the course if they have completed BIO 148. We also suggest that the Forestry DUS accept BIO 325 (Ecology) OR Forest Ecology toward the Wildlife minor.

Please feel free to contact me or Dr. Osterhage with any questions.

Sincerely,

A handwritten signature in black ink that reads 'Bruce O'Hara'.

Bruce F. O'Hara, Ph.D.
Professor and interim Chair
Dept. of Biology
Email: bohara@uky.edu