

Cover Sheet: Request 12572

CALS BS Wildlife Ecology and Conservation Semesters 5-8 Universal Tracking Plan

Info

Process	Major Curriculum Modify Ugrad/Pro
Status	Pending at REG - Office of the Registrar (OUR)
Submitter	Steven Johnson tadpole@ufl.edu
Created	4/20/2018 2:01:14 PM
Updated	2/6/2020 2:25:46 PM
Description of request	Designate critical tracking courses for all 8 semesters for both of the specializations in our major. Also to request minor revisions to course catalog text to be consistent with the addition of the critical tracking courses.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Wildlife Ecology and Conservation 514947000	Joel H Brendemuhl	Edits have been made.	4/23/2018
No document changes					
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Approved by Joel Brendemuhl on behalf of the CALS Curriculum Committee.	4/23/2018
No document changes					
Associate Provost for Undergraduate Affairs	Recycled	PV - Associate Provost for Undergraduate Affairs	Casey Griffith	At Request of J. Brendemuhl	8/2/2019
No document changes					
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Edits requested by Dr. Lindner have been addressed.	8/15/2019
WildlifeEcology_CALS_CriticalTrackingRevision_Final - JHB edits.docx					8/15/2019
Associate Provost for Undergraduate Affairs	Approved	PV - Associate Provost for Undergraduate Affairs	Casey Griffith		1/28/2020
No document changes					
University Curriculum Committee	Approved	PV - University Curriculum Committee (UCC)	Casey Griffith	Information Item	2/6/2020
No document changes					
Office of the Registrar	Pending	REG - Office of the Registrar (OUR)			2/6/2020
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					

Step	Status	Group	User	Comment	Updated
Academic Assessment Committee Notified					
No document changes					
College Notified					
No document changes					

Major|Modify_Curriculum for request 12572

Info

Request: CALS BS Wildlife Ecology and Conservation Semesters 5-8 Universal Tracking Plan

Description of request: Designate critical tracking courses for all 8 semesters for both of the specializations in our major. Also to request minor revisions to course catalog text to be consistent with the addition of the critical tracking courses.

Submitter: Joel H Brendemuhl brendj@ufl.edu

Created: 4/23/2018 3:34:32 PM

Form version: 2

Responses

Major Name Wildlife Ecology and Conservation

Major Code WIE

Degree Program Name Wildlife Ecology and Conservation

Undergraduate Innovation Academy Program No

Effective Term Earliest Available

Effective Year Earliest Available

Current Curriculum for Major Preprofessional

Critical Tracking Model Semester Plan

This specialization satisfies the coursework requirements for admission to the Doctor of Veterinary Medicine program. Students pursuing admission to the College of Veterinary Medicine must take six credits of general education composition, nine credits of humanities and six credits of social and behavioral sciences.

Some students can also satisfy requirements for certification as an associate wildlife biologist by The Wildlife Society. Certification requirements and application material are available at www.wildlife.org.

Critical Tracking

Critical Tracking records each student's progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites may be used for transfer students.

Semester 1

Complete 2 of 7 critical-tracking courses, excluding labs: BSC 2010/2010L, BSC 2011/2011L, CHM 2045/2045L, CHM 2046/2046L, AEB 2014 or AEB 3103 or ECO 2023, MAC 2311, STA 2023

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 2

Complete 2 additional critical-tracking courses, excluding labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 3

Complete 1 additional critical-tracking course, excluding labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 4

Complete 2 additional critical-tracking courses, excluding labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 5

Complete all critical-tracking courses, including labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

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Model Semester Plan

To remain on track, students must complete the appropriate critical-tracking courses, which appear in

bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester 1 Credits

BSC 2010 Integrated Principles of Biology 1, 3 credits, and
BSC 2010L Integrated Principles of Biology Laboratory 1, 1 credit
GE-B 4

CHM 2045 General Chemistry 1, 3 credits, and
CHM 2045L General Chemistry 1 Laboratory, 1 credit
State Core GE-P 4

WIS 2920 Wildlife Ecology and Conservation Colloquium 1
Composition

State Core GE-C; WR-6 3

Humanities (GE-H) or

Social and Behavioral Sciences (GE-S) 3

Total 15

Semester 2 Credits

BSC 2011 Integrated Principles of Biology 2, 3 credits, and
BSC 2011L Integrated Principles of Biology Laboratory 2, 1 credit
GE-B 4

CHM 2046 General Chemistry 2, 3 credits, and
CHM 2046L General Chemistry 2 Laboratory, 1 credit
GE-P 4

IUF 1000 What is the Good Life

GE-H 3

Composition

GE-C; WR-6 3

Total 14

Semester 3 Credits

AEC 3033C Research and Business Writing in Agricultural and Life Sciences
WR-6 3

CHM 2210 Organic Chemistry 13

MAC 2311 Analytic Geometry and Calculus 1

GE-M 4

Humanities

State Core GE-H 3

Social and Behavioral Sciences

State Core GE-S 3

Total 16

Semester 4 Credits

AEB 2014 Economic Issues, Food and You, 3 credits, or
AEB 3103 Principles of Food and Resource Economics, 4 credits, or
ECO 2023 Principles of Microeconomics, 4 credits, (GE-S) 3-4

CHM 2211 Organic Chemistry 2, 3 credits, and
CHM 2211L Organic Chemistry Laboratory, 2 credits

5

STA 2023 Introduction to Statistics 1

State Core GE-M 3

WIS 3402 Wildlife of Florida, 3 credits, and

WIS 3402L Wildlife of Florida Laboratory, 1 credit

4

Total 15-16

Semester 5 Credits

FOR 3153C Forest Ecology, 3 credits, or

PCB 3601C Plant Ecology, 3 credits, or

PCB 4043C General Ecology, 4 credits 3-4

PHY 2053 Physics 1, 4 credits, and

PHY 2053L Laboratory for Physics 1, 1 credit

5

WIS 3401 Wildlife Ecology and Management 3
Elective3

Total 14-15

Semester 6 Credits

AGR 3303 Genetics, 3 credits, or

PCB 3063 Genetics, 4 credits

3-4

PHY 2054 Physics 2, 4 credits, and

PHY 2054L Laboratory for Physics 2, 1 credit

5

WIS 4501 Introduction to Wildlife Population Ecology 3

Elective4

Total 15-16

Semester 7 Credits

AEC 3030C Effective Oral Communication 3

BCH 4024 Introduction to Biochemistry and Molecular Biology or

CHM 3218 Organic Chemistry/Biochemistry 2 4

WIS 4523 Human Dimensions of Natural Resource Conservation or

FNR 4070C Environmental Education Program Development or

FOR 3202 Society and Natural Resources or

FOR 4664 Sustainable Ecotourism Development 3

WIS 4554 Conservation Biology or

WIS 4203C Landscape Ecology and Conservation 3

Elective3

Total 16

Semester 8 Credits

ANS 3006 Introduction to Animal Science and ANS 3006L Introduction to Animal Science Laboratory,
4 credits, or

ANS 3440 Principles of Animal Nutrition, 4 credits, or

WIS 4203C Landscape Ecology and Conservation, 3 credits, or

WIS 4427C Wildlife Habitat Management, 3 credits, or

WIS 4601C Quantitative Wildlife Ecology, 3 credits, or

WIS 4941 Practical Work Experience in Wildlife Ecology, 3-4 credits, or

WIS 4945C Wildlife Techniques, 4 credits 9-11

MCB 3020 Basic Biology of Microorganisms, 3 credits, and

MCB 3020L Basic Biology of Microorganisms Laboratory, 1 credit

4

Elective2

Total 15-17

Additional electives may be needed to complete the 120 credits required for graduation. Students can choose any courses as electives.

State core courses can be selected to meet the university's requirements for writing, international and diversity focused courses.

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Wildlife Ecology and Conservation

Critical Tracking Model Semester Plan

Students in this specialization train in the biological, social, physical and management sciences, and excel at both the scientific and human dimensions of managing wildlife and natural resources. With appropriate choice of electives and course options (below), graduates satisfy requirements for certification as an associate wildlife biologist with The Wildlife Society.

Students select a focus area comprised of four courses (minimum of 12 credits) in one of the following areas: ecology, management, human dimensions, quantitative science or urban and regional planning (combined degree program only).

All students must file a plan of study for focus area courses with Wildlife Ecology and Conservation (WEC) Student Services before completing 60 credits in the major or before the end of the first term of enrollment for transfer students. The plan must be approved by both the student's faculty advisor and the undergraduate coordinator. Any changes to the plan must be approved by the undergraduate coordinator.

Lists of approved courses are available in the WEC Student Services Office, 102 Newins-Ziegler Hall.

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Critical Tracking

Critical Tracking records each student's progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites may be used for transfer students.

Semester 1

Complete 1 of 6 critical-tracking courses, excluding labs: BSC 2010/2010L, BSC 2011/2011L, CHM 2045/2045L, AEB 2014 or AEB 3103 or ECO 2023, MAC 2311, STA 2023

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 2

Complete 1 additional critical-tracking course, excluding labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 3

Complete 2 additional critical-tracking courses, excluding labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 4

Complete 2 additional critical-tracking courses, excluding labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 5

Complete all critical-tracking courses, including labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

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Model Semester Plan

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Semester 1 Credits

BSC 2010 Integrated Principles of Biology 1, 3 credits, and
BSC 2010L Integrated Principles of Biology Laboratory 1, 1 credit, (GE-B) 4

WIS 2920 Wildlife Ecology and Conservation Colloquium 1

Composition

State Core GE-C; WR-6 3

Elective2

Humanities

State Core GE-H 3

Total 13

Semester 2 Credits

AEB 2014 Economic Issues, Food and You, 3 credits, or

AEB 3103 Principles of Food and Resource Economics, 4 credits, or

ECO 2023 Principles of Microeconomics, 4 credits, (GE-S) 3-4

BSC 2011 Integrated Principles of Biology 2, 3 credits, and

BSC 2011L Integrated Principles of Biology Laboratory 2, 1 credit

GE-B 4

IUF 1000 What is the Good Life

GE-H 3

STA 2023 Introduction to Statistics 1

State Core GE-M 3

Social and Behavioral Sciences

State Core GE-S 3

Total 16-17

Semester 3 Credits

AEC 3030C Effective Oral Communication 3

AEC 3033C Research and Business Writing in Agricultural and Life Sciences

WR-6 3

CHM 2045 General Chemistry 1, 3 credits, and

CHM 2045L General Chemistry 1 Laboratory, 1 credit

State Core GE-B/P 4

FOR 3153C Forest Ecology, 3 credits, or

PCB 3601C Plant Ecology, 3 credits, or

PCB 4043C General Ecology, 4 credits

3-4

Composition

GE-C; WR-6 3

Total 16-17

Semester 4 Credits

MAC 2311 Analytic Geometry and Calculus 1

GE-M 4

SWS 3022 Introduction to Soils in the Environment, 3 credits, and

SWS 3022L Soils in the Environment Laboratory, 1 credit

GE-P 4

WIS 3402 Wildlife of Florida, 3 credits, and

WIS 3402L Wildlife of Florida Laboratory, 1 credit

4

Humanities (GE-H) or

Social and Behavioral Sciences (GE-S) 3

Total 15

Semester 5 Credits

Plant Diversity and Taxonomy: 1 of 2

BOT 2011C Plant Diversity, 4 credits, or

BOT 2710C Practical Plant Taxonomy, 3 credits, or

BOT 3151C Local Flora of North Florida, 3 credits, or

FNR 3131C Dendrology/Forest Plants, 3 credits, or

ORH 3513C Environmental Plant Identification and Use, 3 credits

3-4

ENY 3005 Principles of Entomology, 2 credits, and ENY 3005L Principles of Entomology Laboratory, 1 credit, or

ENY 4210 Insects and Wildlife, 3 credits, or

ZOO 2203C Invertebrate Zoology, 4 credits, or

ZOO 4205C Invertebrate Biodiversity, 4 credits

3-4

FOR 3434C Forest Resources Information Systems, 3 credits, or

GIS 3043 Foundations of Geographic Information Systems, 4 credits, or

GIS 3072C Geographic Information Systems, 3 credits, or

URP 4273 Survey of Planning Information Systems, 3 credits

3-4

WIS 3401 Wildlife Ecology and Management 3

WIS 4934 Mammalogy, 4 credits, or

ZOO 4307C Vertebrate Biodiversity, 4 credits, or

ZOO 4472C Avian Biology, 4 credits, or

ZOO 4926 Mammalogy, 4 credits

4

Total 16-19

Semester 6 Credits

Plant Diversity and Taxonomy: 2 of 2

BOT 2011C Plant Diversity, 4 credits, or

BOT 2710C Practical Plant Taxonomy, 3 credits, or

BOT 3151C Local Flora of North Florida, 3 credits, or

FNR 3131C Dendrology Forest Plants, 3 credits, or

ORH 3513C Environmental Plant Identification and Use, 3 credits

3-4

WIS 3553C Introduction to Conservation Genetics 4

WIS 4945C Wildlife Techniques 4

Focus course 3

Total 14-15

Semester 7 Credits

FNR 4660 Natural Resource Policy and Economics, 3 credits, or
ECP 3302 Environmental Economics and Resource Policy, 4 credits 3-4

FNR 4070C Environmental Education Program Development or
FOR 3202 Society and Natural Resources or

FOR 4664 Sustainable Ecotourism Development or
WIS 4523 Human Dimensions of Natural Resource Conservation 3

WIS 4554 Conservation Biology or

WIS 4203C Landscape Ecology and Conservation 3

WIS 4601C Quantitative Wildlife Ecology 3

Focus course 3

Total 15-16

Semester 8 Credits

WIS 4501 Introduction to Wildlife Population Ecology 3

Electives 6

Focus courses, two 6

Total 15

Proposed Curriculum Changes The revision is to add critical tracking courses to semesters 6-8 for both of our specializations: Paraprofessional, Wildlife Ecology and Conservation. We also need to designate critical tracking courses for semester 5 in both specializations. Finally, we request some additional edits/updates to course catalog as indicated in our submission.

Pedagogical Rationale/Justification Critical tracking courses are now required in all 8 semesters per request from the Provost.

Preprofessional Specialization

Semester 5 - 1 additional critical-tracking course added - WIS 3401

Semester 6 - 1 additional critical-tracking course added - WIS 4501

Semester 7 - 1 additional critical-tracking course added - BCH 4024 or CHM 3218

Semester 8 - 1 additional critical-tracking course added - MCB 3020 & MCB 3020L

Wildlife Ecology and Conservation Specialization

Semester 5 - 1 additional critical-tracking course added - WIS 3401

Semester 6 - 1 additional critical-tracking course added - WIS 3553C

Semester 7 - 1 additional critical-tracking course added - WIS 4601C

Semester 8 - 1 additional critical-tracking course added - WIS 4501

Impact on Enrollment, Retention, Graduation None anticipated.

Assessment Data Review Not applicable.

Academic Learning Compact and Academic Assessment Plan None

NOTES to reviewers: Modifications to existing catalog text are HIGHLIGHTED ; newly designated critical tracking courses are in **BOLD** and indicated with *

Semesters 5-8 Tracking for Wildlife Ecology and Conservation

Preprofessional Specialization

Semester 4

Complete 2 additional critical-tracking courses, including labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 5

Complete 1 additional critical-tracking course

2.5 GPA on required math and science courses combined

2.0 UF GPA required

2.0 Upper division GPA required

Semester 6

Complete 1 additional critical-tracking course

2.0 Upper division GPA required

2.0 UF GPA required

Semester 7

Complete 1 additional critical-tracking course

2.0 Upper division GPA required

2.0 UF GPA required

Semester 8

Complete 1 additional critical-tracking course, including labs

2.0 Upper division GPA required

2.0 UF GPA required

Model Semester Plan*

Semester 5

Credits

FOR 3153C Forest Ecology, 3 credits, or

PCB 3601C Plant Ecology, 3 credits, or

PCB 4043C General Ecology, 4 credits

3-4

PHY 2053 Physics 1, 4 credits, and

PHY 2053L Laboratory for Physics 1, 1 credit

5

***WIS 3401 Wildlife Ecology and Management**

3

Elective

3

14-15 Total

Semester 6

Credits

AGR 3303 Genetics, 3 credits, or

PCB 3063 Genetics, 4 credits

3-4

PHY 2054 Physics 2, 4 credits, and

PHY 2054L Laboratory for Physics 2, 1 credit

5

***WIS 4501 Introduction to Wildlife Population Ecology**

3

Elective

4

15-16 Total

Semester 7

Credits

AEC 3030C Effective Oral Communication

3

*BCH 4024 Introduction to Biochemistry and Molecular Biology or

*CHM 3218 Organic Chemistry/Biochemistry 2

4

WIS 4523 Human Dimensions of Natural Resource Conservation or
FNR 4070C Environmental Education Program Development or
FOR 3202 Society and Natural Resources or
FOR 4664 Sustainable Ecotourism Development

3

WIS 4554 Conservation Biology or
WIS 4203C Landscape Ecology and Conservation

3

Elective

3

Total
16

Credits

ANS 3006 Introduction to Animal Science and ANS 3006L Introduction to Animal Science Laboratory, 4 credits, or

ANS 3440 Principles of Animal Nutrition, 4 credits, or

WIS 4203C Landscape Ecology and Conservation, 3 credits, or

WIS 4427C Wildlife Habitat Management, 3 credits, or

WIS 4601C Quantitative Wildlife Ecology, 3 credits, or

WIS 4941 Practical Work Experience in Wildlife Ecology, 3-4 credits, or

WIS 4945C Wildlife Techniques, 4 credits

9-11

***MCB 3020 Basic Biology of Microorganisms, 3 credits, and**

***MCB 3020L Basic Biology of Microorganisms Laboratory, 1 credit**

4

Elective

Semesters 5-8 Tracking for Wildlife Ecology and Conservation

Wildlife Ecology and Conservation Specialization

Semester 4

Complete 2 additional critical-tracking courses, including labs

2.5 GPA on required math and science courses combined

2.0 UF GPA required

Semester 5

Complete 1 additional critical-tracking course

2.5 GPA on required math and science courses combined

2.0 UF GPA required

2.0 Upper division GPA required

Semester 6

Complete 1 additional critical-tracking course

2.0 Upper division GPA required

2.0 UF GPA required

Semester 7

Complete 1 additional critical-tracking course

2.0 Upper division GPA required

2.0 UF GPA required

Semester 8

Complete 1 additional critical-tracking course

2.0 Upper division GPA required 2.0 UF GPA required

Model Semester Plan*

Semester 5

Credits

Plant Diversity and Taxonomy: 1 of 2

BOT 2011C Plant Diversity, 4 credits, or

BOT 2710C Practical Plant Taxonomy, 3 credits, or

BOT 3151C Local Flora of North Florida, 3 credits, or

FNR 3131C Dendrology/Forest Plants, 3 credits, or

ORH 3513C Environmental Plant Identification and Use, 3 credits 3-4

ENY 3005 Principles of Entomology, 2 credits, and ENY 3005L Principles of Entomology Laboratory, 1 credit, or

ENY 4210 Insects and Wildlife, 3 credits, or

ZOO 2203C Invertebrate Zoology, 4 credits, or

ZOO 4205C Invertebrate Biodiversity, 4 credits
3-4

FOR 3434C Forest Resources Information Systems, 3 credits, or

GIS 3043 Foundations of Geographic Information Systems, 4 credits, or

GIS 3072C Geographic Information Systems, 3 credits, or

URP 4273 Survey of Planning Information Systems, 3 credits 3-4

***WIS 3401 Wildlife Ecology and Management**

3

WIS 4934 Mammalogy, 4 credits, or

ZOO 4307C Vertebrate Biodiversity, 4 credits, or

ZOO 4472C Avian Biology, 4 credits, or

ZOO 4926 Mammalogy, 4 credits 4

Total
16-19

Credits

Plant Diversity and Taxonomy: 2 of 2

BOT 2011C Plant Diversity, 4 credits, or

BOT 2710C Practical Plant Taxonomy, 3 credits, or

BOT 3151C Local Flora of North Florida, 3 credits, or

FNR 3131C Dendrology Forest Plants, 3 credits, or

ORH 3513C Environmental Plant Identification and Use, 3 credits

3-4

***WIS 3553C Introduction to Conservation Genetics**

4

WIS 4945C Wildlife Techniques

4

Focus course

3

14-15

Total

Semester 7

Credits

FNR 4660 Natural Resource Policy and Economics, 3 credits, or
ECP 3302 Environmental Economics and Resource Policy, 4 credits

3-4

FNR 4070C Environmental Education Program Development or
FOR 3202 Society and Natural Resources or
FOR 4664 Sustainable Ecotourism Development or
WIS 4523 Human Dimensions of Natural Resource Conservation

3

WIS 4554 Conservation Biology or
WIS 4203C Landscape Ecology and Conservation

3

***WIS 4601C Quantitative Wildlife Ecology**

3

Focus course

3

15-16 Total

Semester 8

Credits

***WIS 4501 Introduction to Wildlife Population Ecology**

3

Electives

6

Focus courses, two

6

15 Total