

**UF Wildlife Ecology and Conservation Major**  
**Fall 2018 Advising Sheet – for students admitted 2018-19**  
**Specialization: Pre-Professional**  
**Upper Division Curriculum: Semesters 1-4**

<b>Semester 1, Fall</b>			
<b>Course Number</b>	<b>Title of Course</b>	<b>Credits</b>	<b>Prerequisites</b>
<b>BSC 2010 &amp; 2010L</b>	<b>Integrated Principles of Biology I and Lab (GE-B)</b> <i>Critical Tracking Course</i>	4	None
<b>CHM 2045 &amp; 2045L</b>	<b>General Chemistry I and Lab (State Core GE-P)</b> <i>Critical Tracking Course</i>	4	<b>ALEKS Readiness Exam</b>
WIS 2920	Wildlife Colloquium – <i>required of all WEC majors &amp; minors; Taught fall only</i>	1	<b>WIE Major or Minor</b>
	Composition (State Core GE-C; WR-6,000 words)	3	
	Humanities (GE-H) or Social and Behavioral Sciences (GE-S). Choose a course that also provides WR-6,000 words.	3	
		Total = 15	
<b>Semester 2, Spring</b>			
<b>Course Number</b>	<b>Title of Course</b>	<b>Credits</b>	<b>Prerequisites</b>
<b>BSC 2011 &amp; 2011L</b>	<b>Integrated Principles of Biology II and Lab (GE-B)</b> <i>Critical Tracking Course</i>	4	None
<b>CHM 2046 &amp; 2046L</b>	<b>General Chemistry II and Lab (GE-P)</b> <i>Critical Tracking Course</i>	4	<b>CHM 2045 &amp; 2045L</b>
UF Requirement	IUF 1000 What is the Good Life (GE-H)	3	
Choose one	Composition (GE-C; WR-6,000 words)	3	
		Total = 14	
<b>Semester 3, Fall</b>			
<b>Course Number</b>	<b>Title of Course</b>	<b>Credits</b>	<b>Prerequisites</b>
CALS Requirement: AEC 3033C	Research and Business Writing in Agricultural and Life Sciences (6,000 WR – Provides WR-6,000 words) Note: ENC 2210 or ENC 3254 will substitute for AEC 3033C.	3	None
CHM 2210	Organic Chemistry I	3	CHM 2046 & 2046L
<b>MAC 2311</b>	<b>Analytic Geometry and Calculus I (GE-M)</b> <i>Critical Tracking Course</i>	4	<b>ALEKS Readiness Exam</b>
	Humanities (State Core GE-H)	3	
	Social and Behavioral Sciences (State Core GE-S)	3	
		Total = 16	
<b>Semester 4, Spring</b>			
<b>Course Number</b>	<b>Title of Course</b>	<b>Credits</b>	<b>Prerequisites</b>
Choose one	<b>AEB 2014 Economic Issues, Food and You or AEB 3103 Principles of Food and Resource Economics or ECO 2023 Principles of Microeconomics (All are GE-S)</b> <i>Critical Tracking Course</i>	3-4	None None
CHM 2211 & 2211L	Organic Chemistry II and Lab	5	CHM 2210 & 2210L
<b>STA 2023</b>	<b>Introduction to Statistics 1 (State Core GE-M)</b> <i>Critical Tracking Course</i>	3	None
WIS 3402 & 3402L	Wildlife of Florida and Lab	4	None
		Total = 15-16	

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**Upper Division Curriculum: Semesters 5-6**

<b>Semester 5, Fall</b>			
<b>Course Number</b>	<b>Title of Course</b>	<b>Credits</b>	<b>Prerequisites</b>
Choose one	FOR 3153C Forest Ecology (GE-B) <i>Taught Fall Semester Only or</i>  PCB 3601C Plant Ecology <i>Taught Spring Semester Only or</i>  PCB 4043C General Ecology <i>Taught Fall and Spring Semesters Only or</i>  <b>WIS 3404 Natural Resource Ecology (online) – Note: previously taught as WIS 4934 Natural Resource Ecology (online) Taught Fall Semester Only</b>	3-4	<b>Basic Biology</b>  <b>BSC 2011/BSC 2011L</b>  <b>BSC 2011</b>
PHY 2053 & 2053L	Physics 1 and Lab (GE-P)	5	<b>Algebra &amp; Trig</b>
WIS 3401	Wildlife Ecology & Management <i>Taught Fall and Spring Semesters</i>	3	<b>BSC 2011 &amp; 2011L</b>
	Elective	3	
		Total = 14-15	
<b>Semester 6, Spring</b>			
<b>Course Number</b>	<b>Title of Course</b>	<b>Credits</b>	<b>Prerequisites</b>
Choose one	AGR 3303 Genetics (B) <b>or</b> PCB 3063 Genetics (B)  <i>Both Taught Fall, Spring and Summer Semesters</i>	3-4	<b>See Catalogue</b>
PHY 2054 & 2054L	Physics II and Lab (P)	5	<b>PHY 2053</b>
WIS 4501	Introduction to Wildlife Population Ecology <i>Taught Spring Semester Only</i>	3	<b>WIE 3401 and one of FOR 3153C PCB 3601C PCB 4404C WIS 3404</b>
	Elective	4	
		Total = 15-16	

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**Upper Division Curriculum: Semesters 7-8**

<b>Semester 7, Fall</b>			
<b>Course Number</b>	<b>Title of Course</b>	<b>Credits</b>	<b>Prerequisites</b>
<b>CALS Requirement:</b> AEC 3030C	Effective Oral Communication <i>Taught Fall, Spring and Summer Semesters</i> <i>Note: SPC 2608 will substitute</i>	3	
Choose one	BCH 4024 Introduction to Biochemistry and Molecular Biology or CHM 3218 Organic Chemistry/Biochemistry 2	4	<b>See Catalogue</b>
Choose one	WIS 4523 Human Dimensions of Natural Resource Conservation ( <i>Taught Fall Semester Only</i> ) <b>or</b> FNR 4070C Environmental Education Program Development ( <i>Taught Fall Semester Only</i> ) <b>or</b> FOR 3202 Society and Natural Resources ( <i>Taught Spring Semester Only</i> ) <b>or</b> FOR 4664 Sustainable Ecotourism Development ( <i>Taught Fall Semester Only</i> )	3	<b>WIS 3401 &amp; Ecology</b>
Choose one	WIS 4554 Conservation Biology (if pre-professional, prerequisite is WIS 3553C; PCB 3063; or AGR 3303) <i>Taught Fall Semester Only</i> <b>or</b> WIS 4203C Landscape Ecology and Conservation <i>Taught Spring Semester Only</i>	3	<b>Genetics</b>  <b>Ecology &amp; GIS</b>
	Elective	3	
		Total = 16	
<b>Semester 8, Spring</b>			
<b>Course Number</b>	<b>Title of Course</b>	<b>Credits</b>	<b>Prerequisites</b>
Choose three	WIS 4203C Introduction to Landscape Ecology and Conservation ( <b>ONLY IF</b> not used for conservation biology requirement in Semester 7; <i>taught Spring Semester Only</i> ) <b>or</b> WIS 4427C Wildlife Habitat Management ( <i>Taught Spring Semester Only</i> ) <b>or</b> WIS 4601C Quantitative Wildlife Ecology ( <i>Taught Fall and Spring Semesters</i> ) <b>or</b> WIS 4941 Practical Work Experience ( <i>Taught every semester</i> ) <b>or</b> WIS 4945C Wildlife Techniques ( <i>Taught Fall &amp; Spring Semesters</i> ) <b>or</b> ANS 3006C Animal Science <b>and</b> ANS 3006L Lab ( <i>Taught every Fall, Spring &amp; Summer Semester</i> ) <b>or</b> ANS 3440 Animal Nutrition ( <i>Taught every Fall, Spring &amp; Summer Semester</i> )  <b>Note:</b> ANS 3006 & ANS 3440 are still highly recommended by most Vet schools; Up to 3 credits of WIS 4941 may be used if taken as the clinical experience required by Vet Schools	9-11	<b>Course in Ecology &amp; GIS</b>  <b>WIS 3401</b>  <b>STA 2023 and WIS 3401</b>  <b>WIS 3402</b>  <b>CHM 2045 &amp; CHM 2045L</b>
MCB 3020 & 3020L	Basic Biology of Microorganisms and Lab (B) <i>Taught Fall, Spring and Summer Semesters</i>	4	<b>See Catalogue</b>
	Elective	2	
		Total = 15-17	