## UF Wildlife Ecology and Conservation Major
## Specialization: Pre-Professional
## Lower Division Curriculum: Semesters 1-4

| | | | |
|---|---|---|---|
| ***Semester 1, Fall*** | | | |
| **Course Number** | **Title of Course** | **Credits** | **Prerequisites** |
| **BSC 2010 & 2010L** | **Integrated Principles of Biology I and Lab (State Core Gen Ed-Biological Sciences)** ***Critical Tracking Course*** | **4** | **None** |
| **CHM 2045 & 2045L** | **General Chemistry I and Lab (State Core Gen Ed-Physical Sciences)** ***Critical Tracking Course*** | **4** | **ALEKS Assessment on One.UF** |
| **WIS 2920** | **Wildlife Colloquium** – *required of all WEC majors & minors; Taught fall only* | 1 | **WIE Major or Minor** |
| | State Core Gen Ed Composition; WR 6,000 words | 3 | |
| | State Core Gen Ed Humanities | 3 | |
| | | Total = 15 | |
| ***Semester 2, Spring*** | | | |
| **Course Number** | **Title of Course** | **Credits** | **Prerequisites** |
| **UF Requirement** | **Quest 1 (Gen Ed Humanities)** | **3** | |
| **BSC 2011 & 2011L** | **Integrated Principles of Biology II and Lab (Gen Ed-Biological Sciences)** ***Critical Tracking Course*** | **4** | **BSC 2010** |
| **CHM 2046 & 2046L** | **General Chemistry II and Lab (Gen Ed-Physical Sciences)** ***Critical Tracking Course*** | **4** | **CHM 2045 & 2045L** |
| | Gen Ed Composition; WR 6,000 words | 3 | |
| | | Total = 14 | |
| ***Semester 3, Fall*** | | | |
| **Course Number** | **Title of Course** | **Credits** | **Prerequisites** |
| **UF Requirement** | **Quest 2 (Gen Ed Social and Behavioral Sciences)** | 3 | |
| **CALS Requirement: AEC 3033C** | **Research and Business Writing in Agricultural and Life Sciences (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 |
| **MAC 2311** | **Analytic Geometry and Calculus I (Gen Ed - Mathematics)** ***Critical Tracking Course*** | **4** | **ALEKS Assessment on One.UF** |
| | State Core Gen Ed Social and Behavioral Sciences | 3 | |
| | | Total = 16 | |
| ***Semester 4, Spring*** | | | |
| **Course Number** | **Title of Course** | **Credits** | **Prerequisites** |
| **Choose one** | **AEB 2014 Economic Issues, Food and You or**<br>**AEB 3103 Principles of Food and Resource Economics or**<br>**ECO 2023 Principles of Microeconomics**<br>**(All are Gen Ed-Social and Behavioral Sciences)**<br>***Critical Tracking Course – choose one*** | **3-4** | **None**<br>**None** |
| **CHM 2211 & 2211L** | **Organic Chemistry II and Lab** | 5 | CHM 2210 & 2210L |
| **STA 2023** | **Introduction to Statistics 1 (State Core Gen Ed - Mathematics)** ***Critical Tracking Course*** | **3** | **None** |
| **WIS 3402 & 3402L** | **Wildlife of Florida and Lab** | 4 | **None** |
| | | Total = 15-16 | |

# UF Wildlife Ecology and Conservation Major
## Fall 2021 Advising Sheet
## Specialization: Pre-Professional
## Upper Division Curriculum: Semesters 5-6

| ***Semester 5, Fall*** | | | |
|---|---|---|---|
| **Course Number** | **Title of Course** | **Credits** | **Prerequisites** |
| Choose one | FOR 3153C Forest Ecology (GE-B)<br>*Taught Fall Semester Only* **or**<br><br>PCB 3601C Plant Ecology<br>*Taught Spring Semester Only* ***or***<br><br>PCB 4043C General Ecology<br>*Taught Fall Semester* **or**<br><br>WIS 3404 Natural Resource Ecology (online) *Taught Fall Semester Only* | 3-4 | **Basic Biology**<br><br>**BSC 2011/BSC 2011L**<br><br>**BSC 2011** |
| **PHY 2053 & 2053L** | **Physics 1 and Lab (GE-P)** | 5 | **Algebra & Trig** |
| **WIS 3401** | **Wildlife Ecology & Management** ***Critical Tracking Course*** *Taught Fall and Spring Semesters* | 3 | **BSC 2011 & 2011L** |
| | Elective | 3 | |
| | | Total = 14-15 | |

| ***Semester 6, Spring*** | | | |
|---|---|---|---|
| **Course Number** | **Title of Course** | **Credits** | **Prerequisites** |
| Choose one | AGR 3303 Genetics (B) **or**<br>PCB 3063 Genetics (B)<br><br>*Both Taught Fall, Spring and Summer Semesters* | 3-4 | **See Catalogue** |
| **PHY 2054 & 2054L** | **Physics II and Lab (P)** | 5 | **PHY 2053** |
| **WIS 4501** | **Introduction to Wildlife Population Ecology** ***Critical Tracking Course*** *Taught Fall and Spring Semesters* | 3 | **WIE 3401 and one of FOR 3153C PCB 3601C PCB 4404C WIS 3404** |
| | Elective | 4 | |
| | | Total = 15-16 | |

# UF Wildlife Ecology and Conservation Major
## Fall 2021 Advising Sheet
## Specialization: Pre-Professional
## Upper Division Curriculum: Semesters 7-8

| ***Semester 7, Fall*** | | | |
|---|---|---|---|
| **Course Number** | **Title of Course** | **Credits** | **Prerequisites** |
| **CALS Requirement: AEC 3030C** | **Effective Oral Communication** *Taught Fall, Spring and Summer Semesters* *Note: SPC 2608 will substitute* | 3 | |
| Choose one | BCH 4024 Introduction to Biochemistry and Molecular Biology ***Critical Tracking Course*** or CHM 3218 Organic Chemistry/Biochemistry 2 | 4 | **See Catalogue** |
| Choose one | WIS 4523 Human Dimensions of Natural Resource Conservation (*Taught Fall Semester Only*) **or** **WIS 4934 Diverse Perspectives in Conservation (taught Spring 21) or** FNR 4070C Environmental Education Program Development *(Taught Fall Semester Only)* **or** FOR 3202 Society and Natural Resources *(Taught Spring Semester Only)* **or** FOR 4664 Sustainable Ecotourism Development *(Taught Fall Semester Only)* | 3 | **WIS 3401 & Ecology** |
| Choose one | WIS 4554 Conservation Biology (if pre-professional, prerequisite is WIS 3553C; PCB 3063; or AGR 3303) *Taught Fall Semester Only* **Or** WIS 4203C Landscape Ecology and Conservation *Taught Spring Semester Only* | 3 | **Genetics; General Ecology course and WIS 3401** **Ecology & GIS** |
| | Elective | 3 | |
| | | Total = 16 | |

| ***Semester 8, Spring*** | | | |
|---|---|---|---|
| **Course Number** | **Title of Course** | **Credits** | **Prerequisites** |
| Choose three | WIS 4203C Introduction to Landscape Ecology and Conservation (**ONLY IF** not used for conservation biology requirement in Semester 7; *taught Spring Semester Only)* **or** WIS 4945 Wildlife Techniques Lecture **or** WIS 4601C Quantitative Wildlife Ecology *(Taught Fall and Spring Semesters)* **or** WIS 4941 Practical Work Experience *(Taught every semester)* **or** ANS 3006 Animal Science **and** ANS 3006L Lab *(Taught every Fall, Spring & Summer Semester)* **or** ANS 3440 Animal Nutrition *(Taught every Fall, Spring & Summer Semester)* ***Note: 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 | **Course in Ecology & GIS** **STA 2023 and WIS 3401** **CHM 2045 & CHM 2045L** |
| M**CB 3020 & 3020L** | **Basic Biology of Microorganisms and Lab (B)** ***Critical Tracking Course*** *Taught Fall, Spring and Summer Semesters* | 4 | **See Catalogue** |
| | *Elective* | 2 | |
| | | Total = 15-17 | |