

FALL 2009 – SUMMER 2010 Advising Sheet
Specialization: Wildlife Ecology

Semester 1, Fall

Course Number	Title of Course	Credits	Prerequisites
BSC 2010 & 2010L	Integrated Principles of Biology I and Lab (GE-B)	4	None
WIS 3403C	Perspectives in Wildlife Ecology and Conservation <i>Taught Fall Only</i>	3	WIE Majors & Minors
	Composition (GE-C and 6,000 WR)	3	
	Humanities (GE-H)	3	
	Elective	2	
		Total = 15	

Semester 2, Spring

Course Number	Title of Course	Credits	Prerequisites
BSC 2011 & 2011L	Integrated Principles of Biology II and Lab (GE-B)	4	BSC 2010 & BSC 2010L
Choose One	ECO 2023 Principles of Microeconomics or AEB 3103 Principles of Food and Resource Economics (Both are GE-S)	4	None
Choose one	AML 2070 Survey of American Literature or AML 2410 Issues in American Literature and Culture or ENL 2012 Survey of English Literature: Medieval – 1750 or ENL 2022 Survey of English Literature: 1750 - Present (All are GE-C or H and 6,000 WR)	3	All require ENC 1101 or test score equivalent
	Social and Behavioral Sciences(GE-S)	3	
	Elective	2	
		Total = 16	

Semester 3, Fall

Course Number	Title of Course	Credits	Prerequisites
CHM 2045 & 2045L	General Chemistry I and Lab (GE-P)	4	Readiness Exam
STA 2023	Introduction to Statistics I (GE-M)	3	None
AEE 3030C	Effective Oral Communication <i>CALS Requirement</i>	3	None
AEE 3033C	Writing for Agricultural and Natural Resources <i>CALS Requirement – Provides 6,000 words</i>	3	None
	Elective	2	
		Total = 15	

Semester 4, Spring

Course Number	Title of Course	Credits	Prerequisites
MAC 2311	Analytic Geometry and Calculus I (GE-M)	4	Readiness Exam
WIS 3402 & WIS 3402L	Wildlife of Florida and Lab <i>Taught Spring Semester Only</i>	4	None
SWS 3022 & SWS 3022L	Introduction to Soils in the Environment and Lab (GE-P) <i>Note: SOS 3022 & L is now SWS 3022 and SWS 3022L</i>	4	None
Choose one	Humanities (GE-H) or Social and Behavioral Sciences (GE-S)	3	
		Total = 15	

Summer

Course Number	Title of Course	Credits	Prerequisites
Choose one	BOT 3151C Local Flora of North Florida (GE-B) or FNR 3131C Dendrology/Forest Plants <i>Taught Fall Semester Only</i>	3-4	BOT 2011C or BSC 2011

	*List of Approved Physical Science Courses For Wildlife Ecology Specialization		
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Course Number	Title of Course	Credits
CHM 2046 and CHM 2046L	General Chemistry I and Lab	4
EES 4370	Environmental Meteorology and Oceanography	3
GEO 3250	Climatology	3
GLY 2030C	Environmental and Engineering Geology	3
PHY 2004 and PHY 2004L	Applied Physics I	4
PHY 2053 and 2053L	Physics I and Lab	5
SWS 3022 and SWS 3022L	Introduction to Soils in the Environment and Lab	4

Wildlife Society Certification

Nine credits of physical science are required for certification as an associate wildlife biologist through The Wildlife Society. Students who do not have nine credits should choose one physical science course as an elective from above list. We strongly recommend SOS 3022 and SOS 3022L -- Introduction to Soils in the Environment and Lab.

One course in the biology of birds and mammals is also required by The Wildlife Society. Students should choose ZOO 4435 – Comparative Biology of Birds and Mammals **or** ZOO 4472 – Avian Biology in Semester 8.

Further details are available at www.wildlife.org/. Dr. Bill Giuliano, 308 Newins-Ziegler Hall, serves as our faculty advisor to The Student Chapter of the Wildlife Society. Dr. Giuliano is available for advising regarding the TWS certification application and requirements.

Semester 5, Fall			
Course Number	Title of Course	Credits	Prerequisites
Choose one	PCB 3034C Introduction to Ecology (GE-B) <i>Taught Fall and Spring Semesters Only or</i>	4	BSC 2011 and BSC 2011L
	PCB 4043C General Ecology (GE-B) <i>Taught Fall and Spring Semesters Only or</i>	4	BSC 2011 and BSC 2011L
	FOR 3153C Forest Ecology (GE-B) <i>Taught Fall Semester Only or</i>	3	None
	PCB 3601C Plant Ecology <i>Taught Spring Semester Only</i>	3	Basic BIO or BOTANY
BOT 2710	Practical Plant Taxonomy (GE-B) <i>Taught Fall Semester Only</i>	3	None
STA 3024	Introduction to Statistics II <i>Taught Fall, Spring & Summer Semesters</i>	3	STA 2023
WIS 3401	Wildlife Ecology & Management <i>Taught Fall Semester Only</i>	3	BSC 2011 and BSC 2011L
	Elective	3	
		Total = 15-16	
Semester 6, Spring			
Course Number	Title of Course	Credits	
WIS 3553	Introduction to Conservation Genetics <i>Taught Spring Semester Only</i>	3	Basic BIO, course in General Ecology, and STA 3024
WIS 4501	Introduction to Wildlife Population Ecology <i>Taught Spring Semester Only</i>	3	WIS 3401 and one of FOR 3153C PCB 3043C PCB 3601C PCB 4404C
Choose one	ZOO 2203C Invertebrate Zoology (GE-B) <i>or</i> <i>Taught Spring Semester Only</i>	4	BSC 2011 and BSC 2011L
	ENY 3005C & 3005L Principles of Entomology and Lab <i>Taught Fall, Spring & Summer C Semesters</i>	3	None
	Elective	3	
		Total = 12-13	

Semester 7, Fall			
Course Number	Title of Course	Credits	Prerequisites
WIS 4554	Conservation Biology <i>Taught Fall Semester Only</i>	3	WIS 3401, WIS 3553 and one of PCB 3043C PCB 3601C PCB 4044C FOR 3153C
ZOO 2303C	Vertebrate Zoology (GE-B) <i>Taught Fall Semester Only</i>	4	BSC 2011 and BSC 2011L
Choose one	MAC 2312 Analytic Geometry and Calculus II (GE-M) or GIS 3043 Foundations of Geographic Information Systems or SUR 3393 and SUR 3393L GIS and Lab or URP 4273 Survey of Planning Information Systems	3-4	MAC 2311 None None
Choose one	WIS 4523 Human Dimension of Natural Resource Conservation (<i>Taught Fall Semester only</i>) or FOR 4664 Sustainable Ecotourism Development or FNR 4070C Environmental Education Program Development (<i>Both taught Fall Semester only</i>)	3	WIS 3401 and one of PCB 3034C PCB 3601C PCB 4044C FOR 3153C
Choose one, depending on choice in Semester 8	Elective or FNR 4660C Natural Resource Policy and Administration <i>Taught Fall Semester Only</i>	3	JR or SR
		Total = 16-17	
Semester 8, Spring			
Course Number	Title of Course	Credits	Prerequisites
Choose one	FAS 4305 Introduction to Fishery Science <i>Taught Spring Semester Only or</i> ZOO 4472C Avian Biology (GE-B) <i>Taught Spring Semester Only</i>	3-4	None BSC 2011 and BSC 2011L
Choose one, depending on choice in Semester 7	Elective or AEB 4274 Natural Resource and Environmental Policy <i>Taught Fall and Spring Semesters Only</i>	3	AEB 3103 or ECO 2023
Choose one	WIS 4945C Wildlife Techniques <i>Taught Spring Break and Summer A Semester Only or</i> WIS 4547C Avian Field Techniques <i>Taught Spring Break Only</i>	2	WIS 3402 General Ecology & Vertebrate Ecology
Choose two	WIS 4601C Quantitative Wildlife Ecology <i>Taught Spring Semester Only or</i> WIS 4203C Introduction to Landscape Ecology <i>Taught Spring Semester Only or</i> WIS 4427C Wildlife Habitat Management <i>Taught Spring Semester Only</i>	6	STA 2023 and WIS 3401 Course in General Ecology and STA 3024 WIS 3401
		Total = 14-15	