

CALS Biology: Natural Science

Choose a minimum of 21 credits, with one course from each of the following seven subgroups:

Vertebrate Animal Biology				
Course	Title	Credits	Prerequisite	Typically Offered
ANS 3319C	Reproductive Physiology and Endocrinology in Domestic Animals	4	ANS 3006, BSC 2010 and 2010L	Fall, Spring
FAS 4202C	Biology of Fishes	4	BSC 2011 and 2011L	Fall
PCB 4723C	Physiology and Molecular Biology of Animals	5	BSC 2011 and CHM 2046 with C or better; PHY 2054 and PCB 3063 and PCB 4674 recommended	Fall, Spring
WIS 3401	Wildlife Ecology and Management	3	BSC 2011 and 2011L	Fall, Spring
WIS 3402	Wildlife of Florida	3	None	Spring
ZOO 3713C	Functional Vertebrate Anatomy	4	BSC 2011 and 2011L with C or better	Spring
ZOO 4307C	Vertebrate Biodiversity	4	BSC 2011 and 2011L with C or better	Fall
ZOO 4472C	Avian Biology	4	BSC 2011 and 2011L with C or better; PCB4674 recommended	Spring
Invertebrate Animal Biology				
Course	Title	Credits	Prerequisite	Typically Offered
ENY 3005 and 3005L	Principles of Entomology and Laboratory	3	None	Fall, Spring, Sum C
ENY 4161	Insect Classification	3	ENY 3005 and 3005L	Fall, Spring, Sum C
ENY 4455C	Social Insects	3	None	
ENY 4573	Beekeeping	3	Junior Standing	Fall, Spring, Sum C
ENY 4590C	Mosquito Identification	3	Junior Standing	Spring
ENY 4592	Mosquito Biology	3	Junior Standing	Fall
NEM 3002	Principles of Nematology	3	None	Spring
ZOO 4205C	Invertebrate Biodiversity	4	BSC 2011 and 2011L with C or better	Spring
Plant Biology				
Course	Title	Credits	Prerequisite	Typically Offered
BOT 2011C	Plant Diversity	4	BSC 2005 or BSC 2010 or BOT 2010C	Spring
BOT 2710C	Practical Plant Taxonomy	3	None	Fall
BOT 3151C	Local Flora of North Florida	3	None	Fall, Spring, Sum B
BOT 3503	Physiology and Molecular Biology of Plants	3	(BSC 2005 or BSC 2010 or BOT 2010C) and CHM2046 and 2046L	Spring
BOT 4851C	Medical and Forensic Plant Biology	3	BSC 2011 with B or better	Fall
FNR 3131C	Dendrology/Forest Plants	3	Refer to department	Fall
HOS 3305	Introduction to Plant Molecular Biology	3	APB 2150 or BOT 2010C or BSC 2010	Fall
HOS 4304	Horticultural Physiology	3	BOT 2010C or BSC 2010	Fall
Geology and Soils				
Course	Title	Credits	Prerequisite	Typically Offered
GLY 2010C	Physical Geology	4	None	Fall, Spring, Sum C
GLY 2030C	Environmental and Engineering Geology	3	None	Fall, Sum B
GLY 2038	Sustainability and the Changing Earth	3	None	Fall
SWS 3022	Introduction to Soils in the Environment	3	None	Fall, Spring
SWS 4223	Environmental Biogeochemistry	3	(BSC 2005 and 2005L) or (BSC 2010 and 2010L) and CHM 2045 and 2045L	Spring
Water and Wetlands				
Course	Title	Credits	Prerequisite	Typically Offered
AOM 4643	Environmental Hydrology: Principles and Issues	3	None	Fall
FNR 4343C	Forest Water Resources	3	SWS 3022 and 3022L	Spring
GLY 3882C	Hydrogeology and Human Affairs	3	Junior Standing	Fall
SWS 4207	Sustainable Agricultural and Urban Land Management	3	SWS 3022 or instructor permission	Fall
SWS 4233	Soil and Water Conservation	3	None	Summer C
SWS 4244	Wetlands	3	None	Fall
SWS 4245	Water Resource Sustainability	3	None	Fall, Spring
WIS 4443C	Wetland and Wildlife Ecology	4	WIS 3401	
General Ecology				
Course	Title	Credits	Prerequisite	Typically Offered
ALS 3153	Agricultural Ecology	3	None	Fall, Spring
FOR 3153C	Forest Ecology	3	None	Fall
PCB 3034C	Introduction to Ecology	4	BSC 2005 or BSC 2010 or BOT 2010C	
PCB 3601C	Plant Ecology	3	BSC 2005 or BSC 2010 or BOT 2010C	Spring
PCB 4043C	General Ecology	4	BSC 2011 and 2011L with C or better	Fall
WIS 3404	Natural Resource Ecology	3	BSC 2011	Fall
Human Ecology				
Course	Title	Credits	Prerequisite	Typically Offered
ANT 2402	Anthropology of Sustainability	3	None	Spring
ANT 2410	Cultural Anthropology	3	None	Fall, Spring, Sum B
ANT 2700	Intro to Applied Anthropology	3	None	Fall
ANT 4114	Principles of Archeology	3	ANT 2140 or ANT 3141	Spring
ANT 4403	Environment and Cultural Behavior	3	None	Fall, Sum B
ENY 4202	Ecology of Vector-Borne Disease	2	BSC 2010	Fall
WIS 4523	Human Dimensions of Natural Resource Conservation	3	WIS 3401 or WIS 4554	Fall