

# Ph.D. in Global Systems Agroecology Curriculum

## 1. Required Core Courses---All courses are letter-graded (12 credits).

Course Number	Course Title	Credit Hours	Term Offered
ALS 5155	Global Agroecosystems	3	Fall
AGR 5511 or AGR 5444	Crop Ecology Ecophysiology of Crop Production	3	Fall Spring
SWS 5050 or AOM 6736	Soils for Environmental Professionals Principles and Issues in Environmental Hydrology	3	Fall or Spring Fall
ALS 5905	International Research Immersion*	3	Any

## 2. Choose one elective in each category (refer to the list of online CALS courses to find a list of all online courses possibilities). All courses are letter-graded (9 credits).

### A. Ecology

ENY 6203 or NEM 6103	Insect Ecology <i>or</i> Insect Parasitic Nematodes <b>REQUIRED FOR NEM/ENY</b>	3	Fall Fall odd years
PCB 5338	Principles of Ecosystem Ecology <b>REQUIRED FOR SNRE</b>	3	Fall
FNR 6628	Watershed Management and Restoration	3	Fall even
FOR 6934	Ecology and Restoration of Invaded Ecosystems (Topics in Forest Resources and Conservation)	3	Spring
SWS 5305C	Soil Microbial Ecology	3	Fall
PLS 6626	Invasive Plant Ecology	3	Spring

### B. Modelling and Statistics

ABE 6645C	Computer Simulation of Crop Growth and Management Responses <b>REQUIRED FOR ABE</b>	3	Fall
AEC 6932	Statistical Thinking (Special Topics in Agricultural Education and Communication)	3	Fall even
SWS 6932	A Field Guide to Modeling Processes (Topics in Soils)	3	Summer B
FOR 6560	Intro to Bayesian Statistics for Life Sciences	3	Spring even

### C. Society

FYC 6932	Principles and Practices of Diversity and Inclusion (Topics in Family, Youth, and Community Sciences)	3	Summer A
AEC 6411	Organizational Leadership in Agriculture and Life Sciences	3	Fall even
FNR 6669	Policy and Economics of Natural Resources	3	Spring