

CROP SCIENCES: AGROECOLOGY, BS

for the degree of Bachelor of Science Major in Crop Sciences, Agroecology Concentration

The Agroecology Concentration addresses ecologically based management of cropping systems, stewardship of the environment, and sustainable food production systems. The intersection between crop plants and their environment is emphasized in this concentration. Graduates of the Agroecology concentration are prepared for careers in integrated plant health management, government regulatory and environmental agencies or for entrance into graduate or professional school.

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Prescribed Courses including Campus General Education

Code	Title	Hours
Composition I and Speech		
RHET 105	Writing and Research	4
or equivalent - see College Composition I requirement (3 or 4)		
CMN 101	Public Speaking	3
Advanced Composition		
Select from campus approved list.		3-4
Cultural Studies		
Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.		9
Foreign Language		
Coursework at or above the third level is required for graduation.		
Quantitative Reasoning I		
Select one of the following:		4-5
MATH 220	Calculus	
MATH 221	Calculus I	
MATH 234	Calculus for Business I	
Quantitative Reasoning II		
CPSC 241	Intro to Applied Statistics	3
Natural Sciences and Technology		
See Specific Concentration Requirements		
Humanities and the Arts		
Select from campus approved list		6
Social and Behavioral Sciences		
ACE 100	Introduction to Applied Microeconomics ¹	3-4
or ECON 102		Microeconomic Principles
Select from campus approved list.		3-4
ACES required		
ACES 101	Contemporary Issues in ACES	2
Required Concentration		58-79

Concentration prescribed courses. See specific concentration requirements.

Total Hours 126

¹ ACE 100 or ECON 102 are not required for the Biological Sciences Concentration.

Agroecology Concentration Requirements

Code	Title	Hours
Natural Sciences and Technology		8
CHEM 102 & CHEM 103	General Chemistry I and General Chemistry Lab I	4
CHEM 104 & CHEM 105	General Chemistry II and General Chemistry Lab II	4
Crop Sciences Core		14
CPSC 102	Foundational Skills in Crop Sciences	2
CPSC 112	Introduction to Crop Sciences	4
CPSC 212	Introduction to Plant Protection	4
Choose 3 hours from the following:		3
CPSC 393	Crop Sciences Internship	
CPSC 395	Undergrad Research or Thesis	
HORT 393	Horticulture Internship	
HORT 395	Undergrad Research or Thesis	
CPSC 498	Crop Sci Professional Developmt	1
Concentration Required		18
CPSC 382	Organic Chem of Biol Processes	4
CPSC 431	Plants and Global Change	3
CPSC 437	Principles of Agroecology	3
IB 103	Introduction to Plant Biology	4
NRES 201	Introductory Soils	4
Electives (12 Hrs):		12
Choose from any 300 or 400 level CPSC, HORT, PLPA courses, excluding: CPSC 393, HORT 393, CPSC 395 & HORT 395:		
Total ACES prescribed and elective courses must total 35 hours, of which 20 hours must be completed in residence.		35

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Sample Sequence

This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a third level of a language other than English. For more information, see the corresponding section on the Degree General and Education Requirements page (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

First Year			
First Semester	Hours	Second Semester	Hours
CPSC 102		2 CPSC 212	4
CPSC 112		4 CMN 101 or RHET 105	3
CHEM 102		3 MATH 234	4
CHEM 103		1 CHEM 104	3
RHET 105 or CMN 101		4 CHEM 105	1
ACES 101		2	
			15

Second Year			
First Semester	Hours	Second Semester	Hours
Advanced Elective CPSC, PLPA or HORT course		3 CPSC 241	3
NRES 201		4 IB 103	4
ACE 100 or ECON 102		4 Free elective course	3
Language Other than English (3rd level)		4 Advanced Elective CPSC, PLPA or HORT course	3
		General Education course	3
			16

Third Year			
First Semester	Hours	Second Semester	Hours
CPSC 382		4 Advanced Elective CPSC, PLPA or HORT course	3
Internship or Research course		3 General Education course	3
Advanced Elective CPSC, PLPA or HORT course		3 General Education course	4
General Education course		3 Free Elective course	3
General Education course		3 Free Elective course	3
			16

Fourth Year			
First Semester	Hours	Second Semester	Hours
CPSC 498		1 CPSC 431	3
CPSC 437		3 General Education course	3
General Education course		4 Free Elective course	3
Free Elective course		3 Free Elective course	3
Free Elective course		3 Free Elective course	3

Free Elective course	3	
		17
		15

Total Hours 126

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Crop Sciences

Crop Sciences Website (<https://cropsciences.illinois.edu/>)

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Email: cropsciences@illinois.edu

College of Agricultural, Consumer & Environmental Sciences

College of Agricultural, Consumer & Environmental Sciences Website

(<https://aces.illinois.edu/>)

ACES Office of Academic Programs

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ACES-Academics@illinois.edu

Advising

Undergraduate Advising Email: ugrad@cropsciences.illinois.edu

Graduate Advising Email: grad@cropsciences.illinois.edu

Advising Website (<https://cropsciences.illinois.edu/about/contact-us/#paragraph-604>)

Admissions

ACES Undergraduate Admissions (<https://aces.illinois.edu/admissions/>)

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University of Illinois Undergrad Admissions (<https://www.admissions.illinois.edu/>)

University of Illinois Graduate Admissions (<https://grad.illinois.edu/>)