

CROP SCIENCES: HORTICULTURAL FOOD SYSTEMS, BS

for the degree of Bachelor of Science Major in Crop Science, Horticultural Food Systems Concentration

This concentration provides students with a strong foundation in plant sciences along with specialized knowledge in horticultural fruit and vegetable crop systems at urban, local, and commercial scales. Graduates from this program are prepared for careers as crop consultants, crop protection and production specialists; entrepreneurs in urban and local food systems; greenhouse or farm managers; and as community gardening and horticultural educators. This concentration will also prepare students for graduate studies leading to careers in research, extension, and education. A minimum of 126 total hours is required.

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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.

Horticultural Food Systems Concentration Requirements

Code	Title	Hours
Natural Science and Technology Required		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
CPSC Core Courses:		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:		
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 Requirements:		18
CPSC 382	Organic Chem of Biol Processes	4
HORT 100	Introduction to Horticulture	3
HORT 205	Local Food Systems	3
HORT 341	Greenhouse Mgmt and Production	4
NRES 201	Introductory Soils	4
Concentration Electives (15hrs)		15
Choose from any 300 - 400 level CPSC, HORT, or PLPA courses, excluding CPSC 393, CPSC 395, HORT 393 and HORT 395.		15
Total ACES prescribed and elective hours must total 35 hours, of which 20 must be completed in residence.		
Total Required Concentration Hours:		46
Choose from any CPSC, HORT or PLPA courses		

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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. See the corresponding section on the Degree and General Education Requirements page (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

First Year			
First Semester	Hours	Second Semester	Hours
CPSC 102		2 CMN 101 or RHET 105	3
CPSC 112		4 HORT 100	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	
		16	14

Second Year			
First Semester	Hours	Second Semester	Hours
Advanced Elective CPSC, PLPA or HORT course		3 CPSC 241	3
ACE 100 or ECON 102		4 NRES 201	4
HORT 205		3 CPSC 212	4
Language Other than English (3rd level)		4 Advanced Elective CPSC, PLPA or HORT course	3
		General Education course	3
		14	17

Third Year			
First Semester	Hours	Second Semester	Hours
CPSC 382		4 Advanced Elective CPSC, PLPA or HORT course	3
CPSC 498		1 General Education course	3
Internship or Research course		3 HORT 341	4
Advanced Elective CPSC, PLPA or HORT course		3 General Education course	4
General Education course		4	
General Education course		3	
		18	14

Fourth Year			
First Semester	Hours	Second Semester	Hours
General Education course		4 General Education course	3
Free Elective course		4 Free Elective course	3
Free Elective course		4 Free Elective course	3
Free Elective course		3 Free Elective course	3

Free Elective course	3
Free Elective course	3
15	18

Total Hours 126

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Crop Sciences

Crop Sciences website (<https://cropsciences.illinois.edu/>)
 AW-101 Turner Hall, MC-046, 1102 S. Goodwin Ave., Urbana, IL 61801
 (217) 333-3420
 Crop Sciences 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

128 Mumford Hall, 1301 West Gregory Drive, Urbana, IL 61801

Advising

(217) 333-3570
 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/>)
 Visit ACES email (visitACES@illinois.edu)
 (217) 333-3380
 University of Illinois Undergrad Admissions (<https://www.admissions.illinois.edu/>)
 University of Illinois Graduate Admissions (<https://grad.illinois.edu/>)