

# AGRONOMY, BS

for the degree of Bachelor of Science Major in Agronomy

Agronomy is the fundamental agricultural science: managing multiple parts of agricultural systems to sustainability and economically meet the growing need for food, fuel and fiber. The agronomy major provides a foundation that by necessity integrates the science and practice of agricultural production through courses in plant biology, genetics, weed and pest management, soil science, environmental quality, and agricultural management practices. The program also offers many opportunities to participate in research and internships. This curriculum prepares students for careers in agricultural sciences as well as for entrance into graduate and professional schools. Our students pursue employment in scientific research or fields related to agronomy including crop consulting, soil and crop management, international food security and agricultural development, and science policy.

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## General Education Requirements

Code	Title	Hours
<b>Composition I and Speech</b>		<b>6 to 7</b>
RHET 105 & CMN 101	Writing and Research and Public Speaking	
OR		
CMN 111 & CMN 112	Oral & Written Comm I and Oral & Written Comm II	
<b>Advanced Composition</b>		<b>3 to 4</b>
<b>Cultural Studies</b>		<b>9</b>
Western/Comparative Cultures		
Non-Western Cultures		
US Minority Cultures		
<b>Foreign Language</b>	<b>Third Level or Above</b>	
<b>Quantitative Reasoning I</b>		<b>4 to 5</b>
MATH 220 or MATH 221 or MATH 234	Calculus Calculus I Calculus for Business I	
<b>Quantitative Reasoning II</b>		<b>3</b>
CPSC 241	Intro to Applied Statistics	
<b>Natural Sciences and Technology</b>		<b>8</b>
CHEM 102 & CHEM 103	General Chemistry I and General Chemistry Lab I	
CHEM 104 & CHEM 105	General Chemistry II and General Chemistry Lab II	
<b>Humanities and the Arts</b>		<b>6</b>
<b>Social and Behavioral Sciences</b>		<b>7 to 8</b>
ACE 100	Introduction to Applied Microeconomics <sup>1</sup>	
<b>Total Hours for Gen Ed Requirements</b>		<b>46-50</b>

Code	Title	Hours
<b>ACES Requirements</b>		<b>0-2</b>
ACES 101 or ACES 200	Contemporary Issues in ACES ACES Transfer Orientation	

## Major Requirements

Code	Title	Hours
<b>Non-Departmental Core Requirements</b>		<b>12</b>
IB 103	Introduction to Plant Biology	4
IB 150	Organismal & Evolutionary Biol	4
NRES 201	Introductory Soils	4
<b>Crop Sciences Core Requirements</b>		<b>13-14</b>
CPSC 102	Foundational Skills in Crop Sciences	2
CPSC 112	Introduction to Crop Sciences	4
CPSC 212	Introduction to Plant Protection	4
Internship or Research/Thesis (choose one):		2-3
CPSC 393 or HORT 393	Crop Sciences Internship Horticulture Internship	
CPSC 395 or HORT 395 or PLPA 395	Undergrad Research or Thesis Undergrad Research or Thesis Undergrad Research or Thesis	
CPSC 498	Crop Sci Professional Developmt	1
<b>Agronomy Requirements</b>		<b>14</b>
CPSC 336	Tomorrow's Environment	3
CPSC 352	Plant Genetics	4
CPSC 382	Organic Chem of Biol Processes	4
CPSC 418	Crop Growth and Management	3
<b>Major Electives</b>		<b>15</b>
Choose from any 300- or 400- level CPSC, HORT, or PLPA courses, excluding: CPSC 393, HORT 393, CPSC 395, HORT 395 & PLPA 395.		
<b>Total Hours</b>		<b>126</b>

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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 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		
	<b>16</b>		<b>15</b>

**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
	<b>15</b>		<b>16</b>

**Third Year**

First Semester	Hours	Second Semester	Hours
CPSC 382	4	IB 150	4
Internship or Research course	3	Advanced Elective CPSC, PLPA or HORT course	3
Advanced Elective CPSC, PLPA or HORT course	3	General Education course	3
General Education course	3	General Education course	3
General Education course	3	Free Elective course	3
	<b>16</b>		<b>16</b>

**Fourth Year**

First Semester	Hours	Second Semester	Hours
CPSC 498	1	CPSC 336	3
CPSC 352	4	CPSC 418	3
General Education course	3	General Education course	3
Free Elective course	3	Free Elective course	3
Advanced Elective CPSC, PLPA or HORT course	3	Free Elective course	3
Free Elective course	3		
	<b>17</b>		<b>15</b>

**Total Hours 126***for the degree of Bachelor of Science Major in Agronomy***Crop Sciences**

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

Crop Sciences email ([croppsciences@illinois.edu](mailto:croppsciences@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  
(217) 333-3380

ACES Office of Academic Programs email ([ACES-Academics@illinois.edu](mailto:ACES-Academics@illinois.edu))

**Advising**

Undergraduate Advising email ([ugrad@croppsciences.illinois.edu](mailto:ugrad@croppsciences.illinois.edu))

Graduate Advising email ([grad@croppsciences.illinois.edu](mailto:grad@croppsciences.illinois.edu))

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

**Admissions**

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

Visit ACES email ([visitACES@illinois.edu](mailto: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/>)