

Institution: The University of Arkansas, Fayetteville				
Degree Title: Crop Science, BS				
CIP Code: 01.1102				
Degree Code: 3370				
Total Degree Credit Hours (including prerequisites): 120				
Effective Date (Term/Year): Fall/2013				
Required State General Education Core (35 credit hours)				
	Course Number	Course Title	Credit Hours	
English (6 semester credit hours)				
	ENGL 1013	Composition I	3	
	ENGL 1023	Composition II	3	
Mathematics (3 semester credits hours)				
College Algebra, Comparable Course or Higher				
	MATH 1203	College Algebra (higher level MATH is encouraged for students with ACT > 26)	3	
Lab Science (8 semester credit hours)				
2 courses to be selected from the following list	CHEM 1103/1101L	University Chemistry I/lab	4	
	or			
	CHEM 1073/1071L	Fundamentals of Chemistry/Lab	4	
	BIOL 1543/1541L	Principles of Biology/Lab	4	
	BIOL 1613/1611L	Plant Biology/Lab	4	
Fine Arts/Humanities (6 semester credit hours)				
The major does not specify the exact Fine Arts course or Humanities course to be taken, as long as the University/State requirement is met.				
		*One course from Fine Arts	3	
		*One course from Humanities	3	
		*See attached UA University Core Course selection list for qualifying courses.		
	Course Number	Course Title	Credit Hours	
U.S. History/Government (3 semester credit hours)				
This major does not specify the exact US History/Government course to be taken, as long as the University/State requirement is met.				
		*One course from US History or Government	3	
		*See attached UA University Core Course selection list for qualifying courses.		
Social Sciences (9 semester credit hours)				
The UA specifies that 9 hours of social sciences must be completed from at least two fields of study.				
	AGEC 1103	Agricultural Economics	3	
This major specifies one course and does not specify the exact Social Science courses to be taken otherwise, as long as the University/State requirement is met.				
		*Two courses from Social Sciences	6	
		*See attached UA University Core Course selection list for qualifying courses. Students minoring in Agricultural Business should choose AGEC 2103		

Total Credit Hours - General Education Core: 35					
Institutional Requirements	Course Number	Course Title	Credit Hours		
N/A	N/A	N/A	N/A		
Total Credit Hours - Institutional Requirements: 0					
	Course Number	Course Title	Credit Hours		
Prerequisite Courses Required for Degree Major					
11 hours of Physical, chemical, and biological science courses are required in addition to the 8 hours of University core	CHEM 1103/1101L	University Chemistry I/lab	4		
	or				
	CHEM 1073/1071L	Fundamentals of Chemistry/Lab	4		
	BIOL 1543/1541L	Principles of Biology/Lab	4		
	BIOL 1613/1611L	Plant Biology/Lab	4	or CSES 1203	
	CHEM 2613/2611L	Organic Physiological Chemistry /Lab	4	CHEM 1123/1121L or CHEM 1073/1071L	
	COMM 1313	Public Speaking	3		
Total Credit Hours - Required Prerequisites: 21					
Courses Required for Degree Major (26 credits)	Course Number	Course Title	Credit Hours	Prerequisite Course Number	Substitute Course Name
(36 credits minimum of upper-level courses)					
	CSES 1011	Introduction to CSES	1	must have < 24 credits	n/a
	CSES 2103/2101L	Crop Science/Lab	4		
	CSES 2203/2201L	Soil Science	4	CHEM 1103/1101L or CHEM 1073/1071L	n/a
	CSES 4013	Advanced Crop Science	3	CSES 2103	n/a
	CSES 4224	Soil Fertility	4	CSES 2203/2201L, CHEM 1123/1121L or CHEM 1073/1071L and CHEM 2613/2611L	n/a
	CSES 462V	Internship	3	or CSES 400V Special Problems	
	AGST 4023	Agricultural Statistics	3	or STAT 2303 or AGME 2903*	
				*Students minoring in Agricultural Business should take AGME 2903	
	CSES 3023	CSES Colloquium	3	COMM 1313	
	BIOL 4304	Plant Physiology	3	or ANSC/POSC 3123 or BIOL 2323	
		Pest Management			
	ENTO 3013	Introduction to Entomology	3		
	PLPA 3004	Principles of Plant Pathology	4		
	CSES 4133	Weed ID, Morphology, and Ecology	3	CSES 2103 or HORT 2003	or CSES 4143
Total Credit Hours - Degree Major: 65					
	Course Number	Course Title	Credit Hours		
Other Upper-Level Courses: Varies					

Elective choices are available to meet the 36 hour upper level requirement within the college.					
Total Upper-Level Credit Hours Required for Degree: 36 minimum (including upper-level major course credits)					
Directed Electives (Specified): 12					
Students must choose 8 hours from Groups A and B and at least 6 hours must come from Group A.		Group A			
	<u>CSES 3112</u>	<u>Forage Management</u>	2	<u>CSES 1203 or CSES 2103</u>	
	<u>CSES 3312</u>	<u>Cotton Production</u>	2	<u>CSES 1203 or CSES 2103</u>	
	<u>CSES 3322</u>	<u>Soybean production</u>	2	<u>CSES 1203 or CSES 2103</u>	
	<u>CSES 3332</u>	<u>Rice Production</u>	2	<u>CSES 1203 or CSES 2103</u>	
	<u>CSES 3342</u>	<u>Cereal Grain Production</u>	2	<u>CSES 1203 or CSES 2103</u>	
		Group B			
	<u>CSES 3214</u>	<u>Soil Resources and Nutrient Cycles</u>	4	<u>CSES 2203/2201L and BIOL 2013/2011L</u>	
	<u>CSES 4103</u>	<u>Plant Breeding</u>	3	<u>ANSC 3123</u>	
	<u>CSES 4303</u>	<u>Bioenergy Feedstock Production</u>	3		
	<u>CSES 4253</u>	<u>Soil classification and Genesis</u>	3	<u>CSES 2203/2201L</u>	
	<u>CSES 355V</u>	<u>Soil Profile Description</u>	1		
	<u>CSES 400V</u>	<u>Special Problems</u>	3, 1-6		
	<u>PLPA 4333</u>	<u>Biotechnology in Agriculture</u>	3		
	<u>ENSC 3103</u>	<u>Plants and Environmental Restoration</u>	3	<u>CSES 1203, HORT 2003, BIOL 1613/1611L</u>	
	<u>HORT 2303</u>	<u>Introduction to Turfgrass Management</u>	3		
Students must select a minor and the associated courses that allow completion of the minor. Groups C (Pest Management) and D (Agricultural Business) have lists of 9 hours to complete a minor.		Group C			
	<u>CSES 4143</u>	<u>Principles of Weed Control</u>	3	<u>CHEM 1073/1071L</u>	or <u>CSES 4133</u>
	<u>PLPA 4223</u>	<u>Plant Disease Control</u>	3	<u>PLPA 3004</u>	
	<u>ENTO 4123</u>	<u>Insect Pest Management</u>	3	<u>ENTO 3013</u>	or <u>ENTO 4133</u>
		Group D			
	<u>AGEC 2303</u>	<u>Introduction to Agribusiness</u>	3	<u>AGEC 1103 or ECON 2023</u>	
	<u>AGEC 3403</u>	<u>Farm Business Management</u>	3	<u>AGEC 1103 or ECON 2023</u>	
	<u>AGEC 3303</u>	<u>Food and Agricultural Marketing</u>	3	<u>MATH 1203 and AGEC 1103 or ECON 2023</u>	or <u>AGEC 3373 or AGEC 3413 or AGEC 4313</u>
Total Credit Hours - Directed Electives (Specified): 12					
Total Credit Hours - Electives (Unspecified): 16-17					
Total Credit Hours Required for Degree: 120					