	1	T	1	T	1
Institution: The University of Arkansas, Fayetteville					
Degree Title: Environmental, Soil, and Water Science, B	<u>s</u>				
CIP Code: 03.0104					
Degree Code: 3415					
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		
	<u> </u>	<u>eemposicien n</u>	<u> </u>		
Mathematics (3 semester credits hours)					
College Algebra, Comparable Course or Higher			 		
Conces Aigenta, comparable course of frighter		College Algebra (higher level MATH is encouraged for			
	MATH 1203	students with ACT > 26)] 3		
		<u> </u>			
Lab Science (8 semester credit hours)					
2 courses to be selected from the following list	CHEM 1103/1101I	University Chemistry I/lab	4		
= country to see some transfer to the seed of the seed		University Chemistry II/lab	4		
		College Physics I/lab	4		
		Principles of Biology/Lab	<u> </u>		
		General Geology/Lab	4		
	0000 1113/11110	<u>General Geology/200</u>	 		
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	<u> </u>		
		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.		*Three courses from Social Sciences	9		
This major does not specify the exact Social Science		*See attached UA University Core Course selection list			
courses to be taken, as long as the University/State		for qualifying courses.			
requirement is met.			 		
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Total Credit Hours - General Education Core: 35					
<u>Institutional Requirements</u>	Course Number	Course Title	Credit Hours		
<u>N/A</u>	N/A	<u>N/A</u>	N/A		
Total Credit Hours - Institutional Requirements: 0					
	Course Number	Course Title	Credit Hours		
Prerequisite Courses Required for Degree Major					
27 hours of Physical, chemical, and biological science					
courses are required in addition to the 8 hours of					
<u>University core</u>	CHEM 1103/1101L	University Chemistry I/lab	<u>4</u>		
	CHEM 1123/1121L	University Chemistry II/lab	4		
	PHYS 2013/2011L	College Physics I/lab	4		
	BIOL 1543/1541L	Principles of Biology/Lab	4		
	GEOL 1113/1111L	General Geology/Lab	4		
	BIOL 2013/2011L	General Microbiology/Lab	4		
	CSES 1203	Introduction to Plant Science	3		
	COMM 1313	Public Speaking	2		
	CO141141 1313	Trigonometry (or higher MATH is recommended for	 		
	MATH 1213	students with ACT > 26)] 3		
	1411 (111 1213	stadents with rier > 201	<u> </u>		
Total Credit Hours - Required Prerequisites: 33					
Courses Required for Degree Major (32 credits)	Course Number	Course Title	Crodit House	Prerequisite Course Number	Substitute Course Name
	Course Number	Course fitte	Credit Hours	Prerequisite Course Number	Substitute Course Name
(36 credits minimum of upper-level courses)	6656 4044		 		,
	CSES 1011	Introduction to CSES	<u> </u>	must have < 24 credits CHEM 1103/1101L or CHEM	n/a
	CSES 2203/2201L	Soil Science		1073/1071L	<u>n/a</u>
	ENSC 1003	Environmental Science	4	1073/1071L	n/a
	ENSC 1003	<u>Environmental Science</u>	<u>3</u>	ENSC 1003 or other science	<u>11/a</u>
	ENSC 3003	Water Science	,	and ENGL 1023	n/a
	<u>LINGC 3003</u>	water science	<u> </u>	and LINGL 1023	or CSES 4224 or CSES 4253 or
	CSES 3214	Soil Resources and Nutrient Cycles/Lab	4	CSES 2203, BIOL 2203/2201L	ENSC 4263
			 	CHEM 1123/1121L and BIOL	
	ENSC 4023	Water Quality	3	1543/1542L	or GEOG 3333 or GEOL 4033
	CSES 3023	CSES Colloquium	_	COMM 1313	or AFLS approved course
			†	BIOL 1543/1541L and CSES	
	ENSC 3223/3221L	Ecosystems Assessment	4	2203/2201L and ENSC 3003	or BIOL 3863/3861L
		Organic Chemcistry I	4	CHEM 1123/1121L	or CHEM 2613/2611L
	AGST 4023	Agricultural Statistics	3	,	or STAT 2023 or STAT 2303
Total Credit Hours - Degree Major: 65			†		
- Canada Cara - Segree Hidjer 05	1		1		1
	Course Number	Course Title	Credit Hours		
Other Upper-Level Courses: Varies	Course Mullipel	Course ritte	CIECIL HOUIS		
Elective choices are available to meet the 36 hour upper	+		1		
level requirement within the college.					
ieverrequirement within the conege.	1		1		
Total Human Lavel Coodit Harry Described for D			1		+
Total Upper-Level Credit Hours Required for Degree: 36	<u>minimum</u> T				
(including upper-level major course credits)	1				1
	I		1	1	

	T				
Directed Electives (Specified): 12					
Students must choose 12 elective hours within the					
Natural Resources core. No more than 6 hours may be from Environmental Studies.		Environmental Science			
ITOM ENVIRONMENTAL Studies.	AGME 3153	Environmental Science			
		Surveying in Agriculture and Forestry	<u> </u>	1	
	CSES 2013	Pest Management	3		
	CSES 355V	Soil Profile Description	1.6		
	CSES 462V	<u>Internship</u>	<u>1-6</u>	CSES 1203 or HORT 2003 or	
	ENSC 3103	Plants and Environmental Restoration	2	BIOL 1613	
	ENSC 3263	Environmental Soil and Water Conservation		CSES 2203	
	ENSC 3263	GIS for Environmental Science		CSES 2203	
	ENSC 4034	Analysis of Environmental Contaminants		CSES2203, ENSC 3003	
	ENSC 4401	Professional Certification Preparation	1	C3E32203, EN3C 3003	
			<u>_</u>		
	GEOG 3003	Conservation of Natural Resources	3		
	GEOS 3543	Geographic Information Systems	<u> </u>	<u>.</u>	
	1	For the property of the disc			
	10500440	<u>Environmental Studies</u>		1050 4400 F00N 0000	
	AGEC 3413	Principles of Environmental Economics	3	AGEC 1103 or ECON 2023	
	AGEC 3503	Agricultural Law	3		
	AGEC 3523	Environmental and Natural Resources Law	<u>3</u>	ENSC 1003 or Phil 2003 or PHIL	
	ENSC 3933	Environmental Ethics	,		PHIL 3113
	1		3	2103	
	RSOC 4603	Environmental Sociology		1	<u>SOCI 4603</u>
Total Credit Hours - Directed Electives (Specified): 12					
Total Credit Hours - Directed Electives (Specified). 12					
Total Credit Hours - Electives (Unspecified): 16-17					
Total Credit Hours - Electives (Onspecified). 16-17					
Total Cradit Have Bassinad for Dasses, 120					
Total Credit Hours Required for Degree: 120	+		_		