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Degree Title: Environmental, Soil, and Water Science, BS				
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	
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	
	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	
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.		*Three courses from Social Sciences	9	
This major does not specify the exact Social Science courses to be taken, as long as the University/State requirement is met.		*See attached UA University Core Course selection list for qualifying courses.		

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					
27 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		
	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	3		
	MATH 1213	Trigonometry (or higher MATH is recommended for students with ACT > 26)	3		
Total Credit Hours - Required Prerequisites: 33					
Courses Required for Degree Major (32 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 2203/2201L	Soil Science	4	CHEM 1103/1101L or CHEM 1073/1071L	n/a
	ENSC 1003	Environmental Science	3		n/a
	ENSC 3003	Water Science	3	ENSC 1003 or other science and ENGL 1023	n/a
	CSES 3214	Soil Resources and Nutrient Cycles/Lab	4	CSES 2203, BIOL 2203/2201L	or CSES 4224 or CSES 4253 or ENSC 4263
	ENSC 4023	Water Quality	3	CHEM 1123/1121L and BIOL 1543/1542L	or GEOG 3333 or GEOL 4033
	CSES 3023	CSES Colloquium	3	COMM 1313	or AFLS approved course
	ENSC 3223/3221L	Ecosystems Assessment	4	BIOL 1543/1541L and CSES 2203/2201L and ENSC 3003	or BIOL 3863/3861L
	CHEM 3603/3601L	Organic Chemistry 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					
	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 12 elective hours within the Natural Resources core. No more than 6 hours may be from Environmental Studies.		Environmental Science			
	AGME 3153	Surveying in Agriculture and Forestry	3		
	CSES 2013	Pest Management	3		
	CSES 355V	Soil Profile Description	1		
	CSES 462V	Internship	1-6		
	ENSC 3103	Plants and Environmental Restoration	3	CSES 1203 or HORT 2003 or BIOL 1613	
	ENSC 3263	Environmental Soil and Water Conservation	3	CSES 2203	
	ENSC 3263	GIS for Environmental Science	3	CSES 2203	
	ENSC 4034	Analysis of Environmental Contaminants	4	CSES2203, ENSC 3003	
	ENSC 4401	Professional Certification Preparation	1		
	GEOG 3003	Conservation of Natural Resources	3		
	GEOS 3543	Geographic Information Systems	3		
		Environmental Studies			
	AGEC 3413	Principles of Environmental Economics	3	AGEC 1103 or ECON 2023	
	AGEC 3503	Agricultural Law	3		
	AGEC 3523	Environmental and Natural Resources Law	3		
	ENSC 3933	Environmental Ethics	3	ENSC 1003 or Phil 2003 or PHIL 2103	PHIL 3113
	RSOC 4603	Environmental Sociology	3		SOCI 4603
Total Credit Hours - Directed Electives (Specified): 12					
Total Credit Hours - Electives (Unspecified): 16-17					
Total Credit Hours Required for Degree: 120					