

**B.S. PLANT AND ENVIRONMENTAL SOIL SCIENCE – SOIL AND WATER EMPHASIS
CATALOG: 2019**

Name: _____ UIN: _____ Date: _____

SOIL AND CROP SCIENCES REQUIRED COURSEWORK (35 OR 36 HOURS)

SCSC 205 – Problem Solving in Plant & Soil Sys.	3		Pest Management 2 – ENTO 201, SCSC 446, PLPA 301, PLPA 303	3	
SCSC 301 – Soil Science	4		Pest Management 1 – ENTO 201, 402; SCSC 446; PLPA 301, 303	3 / 4	
SCSC 307 – Crop Biology and Physiology	4		STAT 201 or STAT 302 - Statistics	3	
SCSC 309 – Water in Soils and Plants	4		Ecology Elect. – SCSC 444 (preferred) or RENR 205	3	
SCSC 481 – Senior Seminar (Writing Intensive)	2		SCSC 484/491 or Study Abroad	3	
CHEM 222 – Elements of Org. and Biol. Chem.	3				

SOIL AND WATER EMPHASIS COURSEWORK (25 HOURS)

GEOG 390 or ESSM 351 – GIS/Remote Sensing	3		SCSC 310 – Soil Morphology	2	
SCSC 405/406 – Soil & Water Microbiology w/lab	4		SCSC 458 – Watershed, Water and Soil Quality Management	3	
SCSC 422/432 – Soil Fertility & Plant Nutrient Management w/Lab	4		SCSC Directed Elective (HORT 201, 3xx or 4xx SCSC Prefix)	3	
SCSC 455 – Environmental Soil & Water Science (Writing Intensive 900 Section Required)	3		SCSC Directed Elective (HORT 201, 3xx or 4xx SCSC Prefix)	3	

GENERAL ELECTIVES (17 OR 18 HRS)

ELEC	3		ELEC	3	
ELEC	3		ELEC	3	
ELEC	3		ELEC	3	

UNIVERSITY CORE CURRICULUM (UCC) (42 Hrs)

COMMUNICATION (6 hrs)			LANGUAGE, PHILOSOPHY & CULTURE (3 hrs)		
COMM 203 (SPCH 1315) – Public Speaking	3		UCC Elective* (Select course that double counts as International & Cultural Diversity)	3	
UCC Elective*	3		CREATIVE ARTS (3 hrs)		
MATHEMATICS (6 hrs)			UCC Elective* (Select course that double counts as International & Cultural Diversity)	3	
MATH 140 (1324), 141, or 151 (2413) or 166 (1332)	3		SOCIAL & BEHAVIORAL SCIENCE (3 hrs)		
MATH 142 (1325) or 152 (2414) or 167	3		AGEC 105	3	
NATURAL SCIENCES (9 hrs)			AMERICAN HISTORY (6 hrs)		
BIOL 101 or 111 (BIOL 1411 or 1406)	4		UCC Elective*	3	
CHEM 101/111 or 119 (CHEM 1411)	4		UCC Elective*	3	
UCC Elective*	1		POLITICAL SCIENCE (6 hrs)		
			POLS 206 (GOVT 2305) – American National Govt	3	
			POLS 207 (GOVT 2306) – State and Local Govt	3	

ADDITIONAL REQUIREMENTS

International & Cultural Diversity	3		2 terms of college foreign language or 2 years of high school	2 Writing Intensive Courses (900 Section of SCSC 481 and SCSC 455)	
Cultural Discourse	3				

36 Hours of 300-400 Level Courses at TAMU

120 Total Degree Hours