DEPARTMENT OF CROP, SOIL, AND ENVIRONMENTAL SCIENCES

Major in Environmental Soil and Water Science

Check Sheet for Environmental Soil and Water Science (ESWS) Major 2023-2024

Name:		I.D. Number:		Advisor	:	
University Requirements: 1 hour² ☐ UNIV 1001 University Perspectives			Social Sciences: 9 hours Choose 9 hours from Social Science Core: ²			
	·	·	Check for	Course I. D.:	Course Name:	
	tions:12 hours	<u>5</u>	completion			
	Composition I					
	Composition II					
	3 Public Speaki	_				
□ ACOM 3143 Communicating Agriculture to the Public OR			ESWS Maio	r Coro: 22 22	houro5	
☐ CSES 3023 Crop, Soil and Environmental Sciences			ESWS Major Core: 32-33 hours ⁵ Environmental Science Core (17 hours):			
Colloquium			☐ CSES 2203 Soil Science			
US History or Government: 3 hours			☐ CSES 2201L Soil Science Lab			
☐ HIST 2003 or HIST 2013 or PLSC 2003			□ ENSC 1003 Environmental Science			
					nental Science Lab	
Mathematics	s: 6 hours		☐ ASTM 2903 AHES Applications of Microcomputers			
☐ MATH 1203	☐ MATH 1203 College Algebra			☐ ENSC 3003 Introduction to Water Science		
☐ MATH 1213 Plane Trigonometry ³			☐ STAT 2303 Principles of Statistics			
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		ciences: 35 hours	Soil Science core (3-4 hours):			
	☐ BIOL 1543 Principles of Biology ☐ BIOL 1541L Principles of Biology Lab			Choose at least 3 hours from the following:		
	-		☐ CSES 3214 Soil Resources and Nutrient Cycles			
	General Microbi	0.7	☐ CSES 4224 Soil Fertility			
	011L General M		☐ CSES 4253 Soil Classification and Genesis			
☐ BIOL 3863 General Ecology			☐ CSES 4553 Wetland Soils			
☐ BIOL 3861L General Ecology Lab OR			☐ ENSC 3263 Soil & Water Conservation			
	B Ecosystems As		☐ ENSC 4263 Environmental Soil Science			
	•	ms Assessment Lab	14/- (0-1	\(\tau_1\)		
☐ CSES 1203 Intro to Plant Sciences			Water Science core (3 hours): Choose 3 hours from the following:			
	3 University Che		☐ ENSC 4023 Water Quality			
☐ CHEM 1101L University Chemistry I Lab			☐ GEOS 3333 Oceanography			
☐ CHEM 1123 University Chemistry II			☐ GEOS 4033 Hydrogeology			
☐ CHEM 1121L University Chemistry II Lab			☐ GEOS 4363 Climatology			
	-	ological Chemistry	☐ GEOS 4473 Applied Climatology			
	2611L Organic	Physiological Chemistry Lab OR				
	3 Organic Chem		Natural Resour			
☐ CHEM 3601L Organic Chemistry I Lab			Environmental Science – Choose 6-9 hours from the following ⁶ :			
☐ GEOS 1113 Physical Geology			☐ ASTM 3153 Surveying in Agriculture and Forestry			
☐ GEOS 1111L Physical Geology Lab			☐ CSES 2013 Pest Management			
☐ PHYS 2013 College Physics I			☐ CSES 355V Soil Profile Description (1 hour) ⁴			
☐ PHYS 2011L College Physics I Lab			☐ CSES 4553 Wetland Soils☐ CSES 462V Internship (1-6 hours)			
					•	
Fine Arts/Hu	ımanities: 6 h	ours	☐ ENSC 3103 Plants and Environmental Restoration			
Fine Arts/Humanities: 6 hours Choose 3 hours from Fine Arts and 3 hours from Humanities: ²			☐ ENSC 3263 Soil and Water Conservation			
Check for Course I. D.: Course Name:			☐ ENSC 3603 GIS for Environmental Science			
completion	Course I. D	Course Marrie.		1L Water Quality		
					ertification Preparation	
				3 Sustaining Ear		
			☐ GEOS 3543	3 Geospatial Ap	plications and Information Science	

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☐ AGEC 3413 Principles of Environmental Economics						
□ AGEC 3503 Agricultural Law I						
☐ AGEC 3523 Environmental and Natural Resources Law						
☐ ENSC 3933 Environmental Ethics						
☐ SOCI 4603 Environmental Sociology						
General Electives: 16-17 hours						
Check for	Course I. D.:	Course Name:				
completion						

Environmental Studies - Choose 0-3 hours from the following:

OTHER REQUIREMENTS FOR A B.S.A. DEGREE

120 total semester hours of which: 9 hrs outside the Departmental Alpha Codes within the Bumpers College 36 semester hours in upper division courses Courses taken within major cannot be taken for duplicate credit 2.00 GPA

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¹ UNIV 1001 is required for new freshmen or transfer with less than 24 hours

² See student degree audit for approved course list

³ Higher level MATH is encouraged for students with ACT >26 and considering graduate school

⁴ May take twice for two hours total credit.

Courses taken within major cannot be taken for duplicate credit.
 One 3-hr study abroad course, either Experiential Learning in Indian Agriculture (Jan) or Sustainability in the Eurozone Agro-Food Chain (May), which are both taken under AFLS 401V/401VH, can be substituted for 3 hours of Natural Resources core