Bachelor of Science in Environmental Science -- 120 Credits

Soil Science

JENVSCI-BS / JSOILSC-SP (RG 9732)

Effective August 2024

GENERAL EDUCATION REQUIREMENTS

REQUIRED COURSES (RQ 3196)

Foundational Courses		CR	Satisfied/Term	
Engcmp 0005	Composition 1	3		
Engcmp 0006	Composition 2	3		
CommRc 0052	Public Speaking	3		
Basic Algebra or Placement Test				
Math 0001	Algebra 1	3		
Quantitative Reasoning (QR) - 1 Course				
Note - a student cannot test out of their QR requirement.				
		3		

FREE ELECTIVES

Free electives are the balance of credits required for graduation (120) that are not used to satisfy competencies, knowledge areas, major requirements, electives, or any related area required by the department.

	CR	Satisfied/Term	

WORLDS OF KNOWLEDGE (RG 6825)

Aesthetic and Creative Expression					
Subject	Number	Course Title	CR	Satisfied/Term	
			3		
			3		

Global History & Culture					
Subject	Number	Course Title	CR	Satisfied/Term	
			3		
			3		

Societies & Civics					
Subject	Number	Course Title	CR	Satisfied/Term	
			3		
			3		

Science & Nature					
Subject	Number	Course Title	CR	Satisfied/Term	
			3		
			3		

Follow-Up Courses					
Subject	Number	Course Title	CR	Satisfied/Term	
			3		
			3		

Each student must take 2 courses in each World of Knowledge. The two courses taken within each World must be from different subjects. A student must take two additional "Follow-Up" courses from any World.

>The minimum number of courses taken in the Worlds must be 10.

>The Follow-Up courses may repeat a subject previously taken in a World.

>A student cannot use a major required Subject course in one of the Worlds.

>For example: A Biology student cannot use BIOL 0110 to fulfill a requirement in the Science and Nature World.

>Students cannot use a course to count both in their QR requirement and one of the Worlds.

>Students can choose QR and Worlds of Knowledge courses from published course lists.

MAJOR REQUIREMENTS (RG 9732)

Required Geo Courses (RQ 4949)		CR	Satisfied/Term	
Geo 0100	The Physical Earth	3		
Geo 0105	The Physical Earth Lab	1		
Geo 0110	Intro to the Environment	3		
Geo 0910	Geostatistics and Computer App	4		
Geo 0920	Geomorphology	4		
Requirement Satisfied		**15**		

Required Chemistry Courses (RQ 4950)		CR	Satisfied/Term	
Chem 0111	General Chemistry	3		
Chem 0113	General Chemistry Lab	1		
Requirement Satisfied		**4**		

Required Math Courses (RQ 4951)		CR	Satisfied/Term	
Math 0004	Pre-Calulus, Functions & Trig	4		
Requirement Satisfied		**4**		

Required Geography Courses (RQ 4954)		CR	Satisfied/Term	
Geo 0420	Cartography	3		
Geo 1150	Geographic Information Systems	3		
Requirement Satisfied		**6**		

Real World Experiences Courses (RQ 4955)		CR	Satisfied/Term	
Geo 1305	Senior Capstone	4		
Geo 1400	Internship	4		
Requirement Satisfied		**8**		

Required Soil Science Courses (RQ 4977)				
Complete the following		CR	Satisfied/Term	
Biol 0110	General Biology 1	3		
Biol 0111	General Biology 1 Lab	1		
Biol 0120	General Biology 2			
and	Biol 0121 General Biology 2 Lab			
Or	Math 0221 Analytic Geometry & Calculus 1	4		
Chem 0112	General Chemistry 2	3		
Chem 0114	General Chemistry 2 Lab	1		
Geo 0250	Soil Judging	2		
Geo 0310	Intro to Soil Science	4		
Geo 0900	Mineralogy	4		
Geo 1100	Geology of Soils	4		
Geo 1110	Hydric Soils and Wetlands	4		
Geo 1200	Hydrology			
Or	Geo 1210 Hydrogeology	4		
Requirement Satisfied		**34**		

Required Soil Science Electives (RQ 4978)				
Select 7 credits from the following courses		CR	Satisfied/Term	
Geo 0150	Climate and Weather	4		
Geo 0450	Biogeography	3		
Geo 1020	Geophysics	4		
Geo 1030	Sustainable Food and Agriculture	3		
Geo 1230	Resource Management	4		
Geo 1250	Sedimentation and Stratigraphy	4		
Geo 1350	Geologic Field Methds	4		
Requirement Satisfied		**7**		

MGPA (RQ 4979)

Major 50% (RQ 4980)

Updated 3/30/2026

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar.