

## Bachelor of Science Degree | Soil Science Emphasis

### Sample Plan of Study for 2022-2023

- Plan of studies will vary for each student depending on start year, individual goals, applicable transfer credit, and course availability.
- Declaring an Emphasis- Students should formally declare an emphasis area with the Office of Registration & Records no later than the beginning of their junior year. The emphasis area is recorded on the academic transcript with the degree.

First Year			
Fall	Credits	Spring	Credits
BIOL 150 – General Biology I	3	BIOL 151 – General Biology II	3
BIOL 150L – General Biology I Lab.	1	BIOL 151L – General Biology II Lab.	1
ENGL 110 - College Comp. I	4	ENGL 120 – College Comp. II	3
NRM 150 – NRM Orientation	1	Hum. & Fine Arts Elective	3
NRM 225 (G) – Natural Resources & Agrosystems	3	Math 103 – College Algebra	3
RNG 136 – Intro to Range Management	3	Wellness Elective	2
	Total 15		Total 15
Second Year			
CHEM 121 – General Chemistry I	3	EMGT, POLS, or SOC elective	3
CHEM 121L – General Chemistry I Lab	1	ENT 210 – Insects, Humans & Environment	3
COMM 110 – Fund. of Public Speaking	3	STATS 330 - Intro. Statistics	3
ECON 201(G) (SBS) - Principles of Micro.	3	Emphasis Core or Elective Credits	6
SOIL 210 – Intro. to Soil Science	3		
RNG 213 - Rangeland Sampling Techniq.	3		
	Total 16		Total 15
Third Year			
ENGL 321, 324, or 459	3	NRM 421 – Env. Outreach Methods	3
PHIL 215(D) or 225 (H&FA) – Env. Ethics	3	RNG 452 or GEOG 455 - GIS	3
Emphasis Core or Elective Credits	9	Emphasis Core or Elective Credits	9
	Total 15		Total 15
Fourth Year			
Emphasis Core or Elective Credits	14	NRM/RNG/SOIL 462 – Natural Resource and Rangeland Planning	3
		Emphasis Core or Elective Credits	12

	Total 14		Total 15

**Total credits to graduate: 120**

Gen Ed requirements for Category D (Cultural Diversity) and G (Global Perspectives) can be fulfilled by taking approved courses that also qualify for other Gen Ed or curriculum requirements.

## Soil Science Emphasis

Required Courses for Soil Science Emphasis		
CHEM 240 BIOC 260 or MICRO 202 & 202L	Survey of Organic Chemistry Elements of Biochemistry (4) Introductory Microbiology and Introductory Microbiology Lab	3
GEOL 105 & 105L	Physical Geology and Physical Geology Lab	4
MATH 105	Trigonometry	3
PHYS 211 & 211L	College Physics I and College Physics I Laboratory	4
PLSC 110	World Food Crops	3
PLSC 225	Principles of Crop Production (or 300/400 level Range Sciences Course)	3
PLSC 380	Principles of Plant Physiology	3
SOIL 217	Introduction to Meteorology & Climatology	3
SOIL 322	Soil Fertility and Fertilizers	3
SOIL 351	Soil Ecology	3
SOIL 410	Soils and Land Use	3
SOIL 433	Soil Ecohydrology and Physics	3
SOIL 444	Soil Genesis and Survey	3
SOIL/NRM 454	Wetland Resources Management	3

Select a minimum of 9 additional credits of 300 or 400 level courses from ENT, SOIL, RNG, or NRM


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