

Bachelor of Science Degree | Soil Science Emphasis

Sample Plan of Study for 2020-2021

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

Notes
