

Bachelor of Science Degree | Rangeland Ecology 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.

Rangeland Ecology Emphasis

Requirements for Rangeland Ecology Emphasis		
ANSC 114	Introduction to Animal Sciences	3
BIOL 364	General Ecology	3
BIOL 452 or BIOL 454 or BIOL 456 or BIOL 458 or	Ichthyology Herpetology Ornithology Mammalogy	3
BIOL 461	Plant Ecology	3
BIOL 475 or BIOL 476	Conservation Biology Wildlife Ecology and Management	3
NRM 431	National Environmental Policy Act & Environmental Impact Assessment	3
NRM 453 or NRM 454	Rangeland Resources Watershed Management Wetland Resources Management	3
PLSC 380	Principles of Plant Physiology	3
RNG 450	Range Plants	3
RNG 451	Ecology of Fire-Dependent Ecosystems	3
RNG 456	Range Habitat Management	3
RNG 458	Grazing Ecology	3
SOIL 217	Introduction to Meteorology & Climatology	3
SOIL 351 or SOIL 410 or SOIL 444	Soil Ecology Soils and Land Use Soil Genesis and Survey	3

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

Notes
