

Bachelor of Science Degree | Water, Habitat, and Environmental Management 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.

Water, Habitat, and Environmental Management Emphasis

Required Courses for Water, Habitat, and Environmental Management Emphasis		
BIOL 364	General Ecology	3
BIOL 475 or 476	Conservation Biology or Wildlife Ecology and Management	3
ECON 481	Natural Resource Economics	3
HIST 434 or HIST 435	Environmental History of World Environmental History	3
NRM 264	Natural Resource Management Systems	3
NRM 402, 454, or SOIL 410	River and Stream Resource Management, Wetland Resources Management, or Soils and Land Use	3
NRM 431	National Environmental Policy Act and Environmental Impact Assessment	3
NRM 453	Rangeland Resources Watershed Management	3

Select a minimum of 26 credits from the approved electives below:		
BIOL 359	Evolution	3
BIOL 414	Plant Systematics	3
BIOL 450	Invertebrate Zoology	3
BIOL 452	Ichthyology	3
BIOL 454	Herpetology	3
BIOL 456	Ornithology	3
BIOL 458	Mammalogy	3
BIOL 460	Animal Physiology	3
BIOL461	Plant Ecology	3
BIOL 462	Physiological Ecology	3
BIOL 463	Animal Behavior	3
BIOL 472	Structure and Diversity of Plants and Fungi	3
BIOL 477	Wildlife and Fisheries Management Techniques	3
BIOL 480	Ecotoxicology	3
BIOL 481	Wetland Science	3
ENT 350	General Entomology	3
MICR 202 and 202L	Introductory Microbiology and Introductory Microbiology Lab	3
NRM 401	Urban-Ecosystems management	3
NRM 420	Sustainable Scenarios in Natural Resources Management	3
PLSC 219	Introduction to Prairie & Community Forestry	2
PLSC 315	Genetics	3
PLSC 315L	Genetics Lab	1
PLSC 323	Principles of Weed Science	3
PLSC 355	Woody Landscape Plants	2
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	Soil Ecology	3
SOIL 410	Soils and Land Use	3
SOIL 433	Soil Ecohydrology and Physics	3
SOIL 444	Soil Genesis and Survey	3

