

Bachelor of Science Degree | Entomology 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.

Entomology Emphasis

Required Courses for Entomology Emphasis		
BIOL 364	General Ecology	3
BIOL 450	Invertebrate Zoology	3
BIOL 475	Conservation Biology	3
ENT 350	General Entomology	3
ENT 431	Principles of Insect Pest Management	3
ENT 470	Insect Ecology	3
PLSC 110	World Food Crops	3
RNG 450 or RNG 460 or PLSC 380	Range Plants Plant Ecology Principles of Plant Physiology	3

Select a minimum of 6 credits of approved electives from below					
PLSC 210	Horticulture Science	3	PLSC 412	Nursery Production and Management	3
PLSC 219	Introduction to Prairie & Community Forestry	2	PLSC 415	Vegetable Crop Production	2
PLSC 315	Genetics	3	PLSC 416	Fruit Crop Production	2
PLSC 323	Principles of Weed Science	3	PLSC 422	Greenhouse Production and Management	3
PLSC 350	Sugarbeet Production	2	PLSC 425	Potato Science	2
PLSC 355	Woody Landscape Plants	3	PLSC 431	Intermediate Genetics	3
PLSC 365	Herbaceous Landscape Plants	2	PLSC 433	Weed Biology and Ecology	2
PLSC 370	Landscape Management	3	PLSC 455	Cropping Systems: An Integrated Approach	3
PLSC 375	Turfgrass Management	3	SOIL 351	Soil Ecology	3

Select a minimum of 15 credits from the approved electives listed below					
BIOL 359	Evolution	3	NRM 453	Rangeland Resources Watershed Management	3
BIOL 461	Plant Ecology	3	NRM 454	Wetland Resources Management	4
BIOL 463	Animal Behavior	3	PLSC 315	Genetics	3

BIOL 476	Wildlife Ecology and Management	3	PPTH 324	Introductory Plant Pathology	3
MICR 202	Introductory Microbiology	2	PPTH 454	Diseases Of Field and Forage Crops	3
MICR 452	Microbial Ecology	3	PPTH 455	Plant Disease Management	3
MICR 463	Clinical Parasitology	2	PPTH 457	Landscape Plant Pathology	3
NRM 401	Urban-Ecosystem Management	3	PPTH 460	Fungal Biology	3
NRM 402	River and Stream Resource Management	3	RNG 450	Range Plants	3
NRM 420	Sustainable Scenarios in Natural Resources Management	3	SOIL 410	Soils and Land Use	3
NRM 431	National Env. Policy Act & Env. Impact Assessment	3			