

B.Sc. in Agroecology

Year 1

Course No.	Course Name	Credit Hours
ABIZ 1000	Introduction to Agribusiness Management	3
AGRI 1600	Introduction to Agrifood Systems	3
BIOL 1020	Biology 1: Principles and Themes	3
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions	3
CHEM 1100	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics	3
CHEM 1110	Introductory Chemistry 2: Interaction, Reactivity, and Chemical Properties	3
or CHEM 1130 ¹	or Introduction to Organic Chemistry	
ECON 1010	Introduction to Microeconomic Principles	3
HNSC 1200	Food: Facts and Fallacies	3
or HNSC 1210	or Nutrition for Health and Changing Lifestyles	3
Free Electives ²		6
Total Credit Hours		30

Year 2

Course No.	Course Name	Credit Hours
ABIZ 2390/ ECON 2390	Introduction to Environmental Economics	3
AGEC 2370/ BIOL 2300	Principles of Ecology	3
AGRI 2030	Technical Communications	3
AGRI 2400	Experimental Methods in Agricultural and Food Sciences	3
ANSC 2500	Animal Production	3
PLNT 2500	Crop Production	3
PLNT 2520/ BIOL 2500	Genetics	3
SOIL 3600	Soils and Landscapes	3
Restricted ³ /Free Electives ² /Co-op		6
Total Credit Hours		30

Year 3

Course No.	Course Name	Credit Hours
BIOL 3312	Community Ecology	3
PLNT 4270	Plant Disease Control	3
ENTM 3170	Crop Protection Entomology	3
PLNT 3540	Weed Science	3
Restricted ³ /Free Electives ² /Co-op		18
Total Credit Hours		30

Year 4

Course No.	Course Name	Credit Hours
AGRI 4100	Current Issues in Agricultural Systems	3
	Restricted ³ /Free Electives ² /Co-op	27
Total Credit Hours		30

Notes:

- CHEM 2100 (Organic Chemistry 1: Foundations of Organic Chemistry) can be substituted for CHEM 1130 (Introduction to Organic Chemistry).
- There are 30 credit hours of Free Electives required in the Agroecology program. Students may apply for the [Cooperative Education Program](#). Two work terms are required to graduate with Co-op designation. Co-op courses (3 credit hours each) are used towards free electives.
- There are 27 credit hours of Restricted Electives required in the Agroecology program. Students must complete:

Restricted Electives	Credit Hours
Group 1 – Integrated Systems: choose <u>four courses</u> from the following:	12
AGRI 2300	Indigenous Issues in Food Systems
ANSC 4410/ PLNT 4410	Grassland Agriculture: Plant, Animal and Environment
PLNT 3560	Organic Crop Production on the Prairies
PLNT 4510	Advanced Cropping Systems
SOIL 4400	Soil Ecology
Group 2 - Land Science: choose two courses from the following:	6
Any 3000 or 4000 level SOIL (Soil Science) courses	
Group 3 - Policy and Economics: choose <u>one course</u> from the following:	3
Any 2000, 3000 or 4000 level ABIZ (Agribusiness) course	
Group 4 – Agrology: choose <u>two courses</u> from the following	6
Any ABIZ course; AGRI 2300; AGRI 3100; AGRI 3500; Any ANSC course; BIOE 3100;	
Any ENTM except ENTM 3162, ENTM 4280 or ENTM 4500; Any FOOD course except	
FOOD 4100 and FOOD 4230; Any PLNT course except PLNT 3140 or PLNT 4380; Any	
SOIL course.	